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38TH ANNUAL
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INDEXED

•1908

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KAISERIN

AMERICAN
BEAUTY

ENGLAND'S
FAVORITE

KILLARNEY

KING OSCAR

INTER-
NATIONAL
ROSE
COLLECTION
75¢ POSTPAID.
—
2 YEAR OLDS
\$1.75

IOWA SEED Co.

ONLY ONE
THE BEST
QUALITY

SEEDSMEN TO
THE AMERICAN PEOPLE.

MARECHAL NEIL

DES MOINES, IOWA,
U.S.A.

INTERNATIONAL ROSE COLLECTION



The Rose is without doubt the world's most popular flower and almost every civilized country has a favorite variety of its own. It is with great pleasure that we offer this year this choice collection. The American Beauty, of course, heads the list, but our collection contains also the favorite varieties of the English, German, Irish, Swedish and French Nations.

No matter what else you may order this year, do not fail to put on your list one of these collections, as these varieties will make a permanent improvement to your grounds.

This collection really should sell for \$1.50 in the ordinary sized plants but we have propagated a large number this season so that we are enabled to furnish them at the low price of 75¢ for one strong plant each of the six varieties.

AMERICAN BEAUTY.—Our national favorite and of course we consider it the most beautiful of all. It is unequalled for large size, beauty and fragrance. They do well grown in the open ground, and with slight protection live throughout the winter in the northern states. Flowers are very double of deep brilliant red shading to a rich crimson carmine. Has the true over-blooming qualities. Strong young plants each 15¢, large two-year-old dormant plants 35¢ ea. doz. \$3.25.

ENGLAND'S FAVORITE.—Our attention was immediately attracted by this charming, peculiar colored rose when we were traveling through Northern England where this variety is very popular. The outside petals are a rich, deep golden yellow, shading to deep coppery yellow toward the center of the flower. A hardy climber. Each 20c. doz. \$1.75; two-year-old plants each 40c. doz. \$3.50.

KAI SERIN.—In Germany roses are very popular and it is not surprising that they have named this the very choicest variety, the Kaiserin Auguste Victoria as it is decided the finest white everblooming hardy garden rose. It is not of a shiny, snowy whiteness but a soft, pale white lightly tinted with lemon at the center. It has proved to be the most free and continuous bloomer and most hardy of any double white rose that we know of. Buds are of faultless shape developing into large, very double flowers of exquisite fragrance. Each 15¢, doz. \$1.50; large two-year-old plants each 30c. doz. \$3.00.

KILLARNEY.—For many years the Bridesmaid and La France have been the most popular pink varieties, but last season a new rose called the Killarney came to the front which is fast pushing out the other sorts with the city florists and the cut flowers sell at about fifty per cent higher prices. This is owing to the fact that the buds are especially long and the color of the rose is a peculiarly bright, living, rosy pink, different and more beautiful than any other pink rose that has ever been on the market. It is a free bloomer, easily grown, and of strong, healthy constitution, and we believe will produce as many flowers to the plant as any variety on our list. Each 20c. doz. \$1.75; large two-year-old plants each 40c. doz. \$3.50.

KING OSCAR.—This is one of those rich, dark, velvety, crimson roses which are so surpassingly beautiful and this new variety, named after King Oscar, of Sweden, it seems to us, surpasses any heretofore offered. This is a hardy strong growing variety and flowers as freely as any dark colored sort, though it will not produce as many flowers during the season as the Kaiserin or Killarney. It is of such a rich, dark color that in comparison with other varieties it appears to be almost a maroon black. Each 20c. doz. \$1.75; large two-year-old plants each 40c. doz. \$3.50.

Consists of one strong plant each of the above six varieties for only 75 cents, or a large sized two-year-old plant of each, ready to begin United States or Canada. Four collections for \$8.75.

MARECHAL NEIL.—The grand old French variety which is ever beautiful and of surpassing fragrance. It is a climbing rose which, when well cultivated, will produce an immense number of flowers and we have known single plants to have on more than five hundred roses at one time. They are hardy in the South but will not stand our severe winters here, and therefore must be taken in and kept dormant during the winter or can be kept growing in the house or conservatory. They are excellent winter bloomers. Each 15¢, doz. \$1.50; large two-year-old plants each 35¢, doz. \$3.25.

INTERNATIONAL ROSE COLLECTION.—blooming at once, for only \$1.75, sent prepaid to any town in the

ABOUT OURSELVES

The first question which comes to the mind of the prospective buyer about any seed house is "are they reliable?" Almost everyone in Iowa who uses seed knows the Iowa Seed Company and our **Choice Iowa Seeds** are sown in every neighborhood in the state, but as this catalogue goes to many in all parts of the world who have not dealt with us, a few words about our business may help us to become better acquainted. This business was established about forty years ago, and it has grown until now it occupies a permanent place in the seed trade of the country.

The business has been under the same management many years past, the present manager having been connected with the company thirty years. During all this time we have been constantly in close touch with the farmers and gardeners, and know what will prove the most satisfactory in the various localities. Success in the seed trade depends almost entirely on the confidence of the people, and our customers have learned that they can rely implicitly on us.

OUR ESTABLISHMENTS.

This business has now reached such proportions and is so diversified that it is impossible to conduct it all under one roof, and the accompanying illustrations will help you appreciate our efforts in building up one of the most substantial business enterprises in the world to-day.

THE IOWA SEED STORE is so well known in Des Moines that it would be difficult to find even a child in this city of 80,000 inhabitants who does not know its location. It occupies the large building at 613-615 Locust Street within three or four blocks of the postoffice, express offices and principal railroad passenger stations. The large store room is full of interest to everyone who has a farm or garden, or who loves flowers. Here are located the offices and correspondence department. During our busy season we receive 2,000 to 5,000 letters every day, and it requires seventeen typewriters to answer the correspondence. We are always glad to have our customers call and examine our stock and manner of doing business.



32 NEW GREENHOUSES erected during the past five years are devoted exclusively to growing plants for the mail order trade, and they contain a greater variety of plants than any other greenhouse establishment in the west. Hundreds of plant orders are filled daily during the busy season; small plant orders can be mailed direct from the branch postoffice nearby. They are located convenient to the electric car line and fronting on Kingman Boulevard, one of the finest driving streets in the city. Here we devote fully 12 acres to flowers, making the finest display to be found in the west.

THE WAREHOUSE on South Fifth street we have occupied for many years for storage purposes only. Large lots of seed which come in after harvest, are thoroughly cleaned and then put away in this building and held in readiness for the spring trade.

MAIL ORDER BUILDING.—Our trade has increased so constantly that we purchased the ground at 208-210-212 S. Eighth St., about six blocks from the store, and erected thereon a large building specially arranged for our trade. The railway tracks beside the building give us excellent facilities for handling carload lots, and we are centrally located between the various freight depots, so that small shipments can be made promptly. Our machinery is operated by four electric motors, and we claim that our tools for cleaning seed cannot be surpassed. We can readily fill 2,000 to 4,000 orders per day in this building, and they are handled in such a careful way that errors seldom occur. Most of our employees have been with us many years and appreciate the importance of each order, no matter whether small or large, and no "green hands" handle seeds in bulk.

SEED FARMS.—It requires a seed crop from about 8,600 acres to supply our trade and the farms are widely isolated so as to avoid any danger of mixtures. Some seeds cannot be grown to advantage here, and we contract with practical seed growers elsewhere to grow for us. Our special **Seed Corn House** is illustrated on page 24 of this catalogue.

1865

1908

Forty Three Years Successful Business!

Des Moines, Iowa, January, 1908

To Our Friends and Patrons:

WITH HEARTY GREETINGS and well wishes to our many customers in all parts of the country, we send out this, our annual messenger. It is always a pleasure to meet our customers, many of whom visit our store every spring, but by far the larger number of them we never see as our trade is so world-wide in extent, and therefore, our only means of talking with them is through this, our annual catalogue. Most season's seed crops have been, as a whole, very satisfactory, the principal shortages being in onion seed, peas, and almost all kinds of clover and grass seeds which are consequently somewhat higher in price. Of almost everything else the crops were abundant, they were harvested in excellent condition, are of superior quality, and we are prepared to furnish our customers this season with the best seeds, we believe, that they ever had. We are constantly striving to make our **CHOICE IOWA SEEDS** unexcelled and our highest ambition is to merit the title which has so often been applied to us, namely: "SEEDSMEN TO THE AMERICAN PEOPLE,"

Kind Words From Old Friends.

Very few Seeds Dealers can equal this record.

I have bought seeds every year from your company since 1871, after Mr. Fuller started the business at Des Moines; have always found your seeds good. —W. S. Maxwell, Lavina, Tex.

I have been a customer of the Iowa Seed Company since 1875, and always intend to be. Both they and their seeds are reliable. —J. C. Jessup, Fairmount, Indiana.

have now been purchasing seeds from you for 30 years and have found them true to name and of good quality. I recommend your seeds to all gardeners. —Henry Rollinson, Des Moines.

been employed by us in responsible positions for 16 years, 12 years and 5 years respectively. This giving them a personal interest in seeing that our customers are well treated. Again thanking you for past favors, respectfully soliciting a continuance of your patronage, and wishing you a happy and prosperous New Year we remain,

M. KURTZWEIL, President.

CHAS. N. PAGE, Treasurer and Manager.

By this we mean not only native born Americans, but all residents of this country.

For many years we had thought that our business was established by Mr. S. L. Fuller in 1870, but the following letter just received from Mr. Geo. A. Jewett, president of the Jewett Type-writer Co., and of the Jewett Lumber Co., explains itself:

Des Moines, Iowa, Sept. 18, 1907.

Iowa Seed Co., Des Moines, Iowa,

Dear Sirs: I have been much interested in watching the progress of your company for many years past and am glad to see that you are making such a rapid advancement. You may not know it, but I was one of the founders of your business through having been connected with the firm of Brown & Spofford, who started the first seed business in Des Moines in 1865, and sold same to Mr. Fuller in 1870. I rejoice that you have been doing the establishment of your business only from Mr. Fuller's time, but you really should date some from actual beginning in 1865.

Occasionally I see some of the farmers to whom I sold seeds over forty years ago, and it is, I assure you, pleasant to notice that the Iowa Seed Company now has such a good name not only locally, but throughout the country. With best wishes for your future success I remain. Yours truly, GEO. A. JEWETT.

DURING the past few years our trade has extended so greatly that in order to give it better attention we have taken into the company three of our most valuable men who have

been giving them a personal interest in seeing that our customers are well treated. Again thanking you for past favors, respectfully soliciting a continuance of your patronage, and wishing you a happy and prosperous New Year we remain,

IOWA SEED CO.

J. N. ALBRIGHT, GEO. C. BAKER, and GEO. L. KURTZWEIL, Directors.

SUGGESTIONS TO CUSTOMERS.

ORDER EARLY.—The best time to order is just as soon as you receive this catalogue, as we can always give your orders more credit on personal attention if they come in before the rush of the spring trade. Please use the "PREPAID" method of payment for us in filling orders. Terms are invariably cash with order as we keep no book accounts in our mail order department, and the expense of sending goods C. O. D. is quite large. Postage stamps received as cash.

SHIPPING.—There are five express companies and fifteen railroad lines at Des Moines, so that quick shipments can be made to any town in the United States. It is well to remember that express charges are usually much higher on heavy goods, and you should order them by fast freight.

CHARGES PREPAID.—All Vegetable and Flower Seeds, Bulbs and Plants, except those noted, are semi-prepaid by mail or express by the quickest and most direct routes unless ordered otherwise, and we guarantee their safe arrival. Seeds sold by the peck or bushel, field seeds, potatos, cabbages and other heavy goods are sent by freight or express. The terms "by express" and "by freight" mean that goods are shipped at purchaser's expense, not prepaid.

DELIVERY.—The point of delivery of all goods is on cars at Des Moines. When we quote a delivered price it means simply that we prepay the freight, express charges or postage.

OUR PRICES.—Our constant aim is to make the highest quality the first consideration, and next to put our prices as low as good seed can be sold.

PREMIUMS.—On all orders for seeds in packets the purchase of \$1.25 worth of common, dollar seeds is. This reduces the price of seeds in packets by a buck and one-half, and plants or other goods as a premium on seed orders. This discount does not apply to Co. legions, of any kind nor other special offers. Each year we put up thousands of packets of seeds for free distribution among our customers, by adding liberally of them to orders. We will allow you a discount of ten cents per pound on vegetable seeds, such as are listed as prepaid, if you are willing to have them sent by express or freight at your expense.

SMALL ORDERS.—If you only want a single packet, do not hesitate to send for it. We take as much pains to fill small orders promptly and correctly as we do large ones. Orders for Flower Plants and Nursery Stock, however, are not sent to less than twenty-five cents.

PLANT ORDERS.—Orders for plants will be filled as early in spring as we consider it safe to send them. If ordered for immediate shipment in severe weather they will be sent at purchaser's risk.

OUR RESPONSIBILITY.—As this book will probably go into the hands of many who are unacquainted with us, this question will naturally arise, and in answer to same we refer you, by permission, to the Century Savings Bank, of this city, to the postmaster, or to any express company.

WHAT WE GUARANTEE.—That all money sent us for seed shall reach us if sent by registered letter, P. O. or express money order, or bank draft, made payable to our order. That your order will be filled promptly and well. That goods ordered will reach you safely. Keep a copy of your order. Sometimes persons think they have ordered articles which they have omitted, and blame us for not sending them.

ABOUT WARRANTY.—We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. When it is considered how many are sent out of order on account of the success of the crop, and the fact that we are sending good up or too shallow, too wet, or in unfavorable weather, insects, etc., our customers will readily see that it would be sheer folly for anyone to warrant them to produce a perfect crop, and we want it plainly understood that while we exercise great care to have all seeds pure and reliable, and also true to name, we do not give any warranty, express or implied. If the purchaser does not accept the seeds on these terms and conditions, they are to be returned at once and the money that has been paid for same will be refunded. No officer or agent or employee of this company is authorized to make any warranty to anyone. However, we have seen some companies who sell seeds that hereby agree to refund any return order for undesirable or inferior seeds free of charge should they prove otherwise than as we represent them. We know of no responsible seed firm in the world which guarantees seeds any further than this. Compare with other seed catalogues and you will find that we are right.

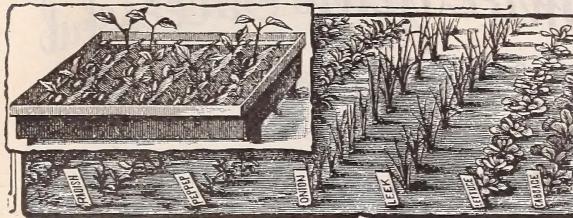
MARKET GARDENERS. and others who buy vegetable seeds in bulk to the amount of \$5.00 or more, are requested to send for our Market Gardeners' Price List. This list for market gardeners is intended only for large buyers, and is exclusively for those who order vegetable seeds alone by weight, and not by the peck or bushel. Club orders which call for the amount of bulk seeds altogether are entitled to these prices.

PREPAID RAILROAD STATIONS.—Many of our customers live at Prepaid Railroad Stations where there are no agents. In such cases we must request them to send sufficient money to prepay freight charges on heavy shipments, also in cases where perishable or other goods are ordered to be sent by freight or express to such great distances that cost of transportation will nearly or quite equal the value of goods.

FOREIGN ORDERS.—Our trade with European countries, Australia, New Zealand, South Africa, the West Indies and other foreign countries is increasing constantly, and while it is still somewhat expensive and slow to send large shipments by freight, small lots can be sent by mail quite easily. We are willing to prepay the postage on all vegetable and flower seeds offered by the packet or ounce, at the prices named in this catalogue, to Canada, Mexico, all parts of Europe, and all countries of the Postal Union. Not more than 12 ounces can be sent in each package.

WE ARE PLEASED TO RECEIVE SAMPLES OF NEW, RARE OR SUPERIOR SEEDS YOU MAY SEND US FOR TRIAL

VEGETABLE SEEDS



SEED TESTING AND TRIALS.

After more than a third of a century of seed growing and selecting and comparing with stock from other dealers, we are thoroughly convinced that our stock of vegetable seeds cannot be excelled either in quality or selection. We watch our growing crops with great care, taking pains to isolate and keep pure and true to name. Every variety listed is desirable and has our recommendation. The packets are, we believe, as well filled as any reliable seed dealers in the United States, and in fact a comparison has shown that they contain more seed on the average, than those of any other firm whose packets we have secured. **We pay the postage at these prices**, except on Beans, Peas and Corn at the post or bushel rates.

We make it a rule to carefully test all seeds as soon as received from the grower, or as soon as they are brought in from our seed farms. We also carry on extensive trials on our grounds by which we are enabled to offer only those strains of seeds which come up to the standard of purity and excellence, and are of the highest vitality, and the result is that we very rarely have complaints. Our Choice Iowa Seeds are sure to please.

A CHOICE LIST OF THE BEST NOVELTIES ARE DESCRIBED ON THE COLORED PAGES IN THE CENTER OF THIS BOOK.

ASPARAGUS.

One ounce will cover forty feet of drill.

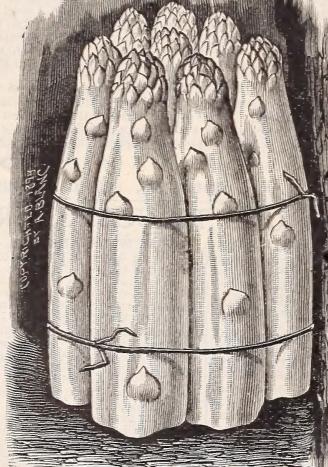
Asparagus is so easily grown and such a large quantity is produced on a small amount of ground that every garden should contain a bed. A bed ten feet square, requiring 50 plants, will give an abundant supply for any ordinary family. Soak the seed 24 hours in tepid water; sow early in spring in rows a foot apart; keep clean by frequent weeding and hoeing. Ask for circular giving instructions for growing.

COLUMBIAN MAMMOTH WHITE.—A new and entirely distinct variety that produces shoots which are white and stay white as long as fit to use. It is more robust and vigorous in habit and throws up larger shoots and fully as many of them as Conover's Colossal, and requires no earthing up in order to furnish the white shoots so much sought after. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

PALMETTO.—Stalks frequently measure two inches in diameter, and even when twelve inches long, are perfectly tender when cooked. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 5c.

CONOVER'S COLOSSAL.—The standard variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 45c.

ASPARAGUS ROOTS.—We can furnish strong roots of the Conover Colossal a 25c per dozen: 1.00 per 100. Columbian Mammoth White 3c per doz., \$1.25 per 100 postpaid. See page 23.



35 VARIETIES
BEST GARDEN VEGETABLES.
ALL GOOD DESIRABLE SORTS—SURE TO PLEASE YOU.

LARGE GREEN GLOBE ARTICHOKE.

This vegetable is a great delicacy, highly valued in all parts of Europe, and also one of the most prominent table vegetables in California and other parts of this country. It is a perennial, producing the large flower heads, which is the part eaten, the second season and every year thereafter. Sow seed early in hotbeds or boxes in the house, and when weather becomes settled transplant in rows four feet apart and two feet apart in the rows. When started early it sometimes blooms the first year.

LARGE GREEN GLOBE.—The best variety for general use; buds large; scales green, very thick and fleshy. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.00.

ARTICHOKE ROOTS.—These are an entirely different plant from the above and used mainly for stock food. See description in Farm Seed Department. Per lb. 25c, 3 lbs. 60c postpaid. By freight pk. 75c, bu. \$2.25.

BROCCOLI.

One ounce will produce about 3,000 plants.

Growth and habit like the cauliflower, except that it is more hardy, and the heads are not as compact. It is not desirable for warm or dry countries, but is of special value in the North. Cultivate the same as Cauliflower.

EARLY LARGE WHITE.—The most popular sort. Has medium sized creamy white heads Pkt. 5c, oz. 35c.

\$1.00 COLLECTION

ALL GOOD DESIRABLE SORTS—SURE TO PLEASE YOU.

Consists of one full-sized packet each of Improved Golden Wax Beans, Old Homestead Pole Beans, Market Gardener's Beet, Henderson's Snowball Cauliflower, Washington Wakefield Cabbage, Shortstem Drumhead Cabbage, Oxheart Carrot, White Plume Celery, Early Cory Corn, Country Gentlemen Corn, Perfect White Spine Cucumber, Improved Giant Cherry, American Mammoth Brussels Sprouts, Page's Striped Rice Pon Corn, Community Lettuce, Improved Hanson Lettuce, Rocky Ford Muske Melon, Duke Jones Watermelon, Large Red Wetherfield Onion, Mammoth Prizetaker Onion, Nott's Excelsior Peas, Early Scarlet Globe Radish, White Icicle Radish, Improved Table Guernsey Parsnip, Ruby King Pepper, Early Crookneck Squash, Long Standing Spinach, Mammoth Sandwich Island Salsify, Market Gardener's Parsley, Bond's Early Minnesota Tomato, Matchless Tomato, White Egg Turnip, Purple Top Strap Leaf Turnip, Monarch Rutabaga, and Vine Peach.

Total 35 Full-Sized Packets sent Postpaid for \$1.00.

At regular catalogue price they amount to about \$2.00.

NOTICE.—These collections are all put up ready for mailing before our busy season begins and therefore cannot be changed or divided.

IT IS A BARGAIN!

CAN ONE DOLLAR BE BETTER INVESTED?

SET OUT A BED OF ASPARAGUS THIS YEAR AND HAVE IT FRESH DAILY.



BRUSSELS SPROUTS

BRUSSELS SPROUTS.

One ounce will produce about 3,000 plants.
Of the cabbage family, producing numerous heads on the stem of most delicious quality, as well as cabbage-like head at the top. Use and cultivate the same as winter cabbage.

AMERICAN MAMMOTH.—A new and greatly superior variety of American growth which forms heads ready for picking about three weeks earlier than other varieties. It makes stronger plants and more heads. A profitable crop for market gardeners. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

ENGLISH.—Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

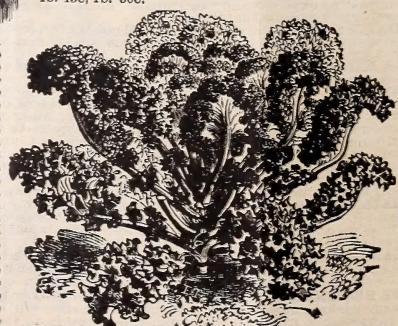
BORECOLE or KALE.

One ounce will produce about 3,000 plants.
A harder vegetable than cabbage; excellent for greens during winter and spring; splendid winter food for poultry. Cultivate like cabbage.

EXTRA CURLLED MOSBACK.—Fine crimped leaves, light green, admirable for garnishing. Before cooking. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

DWARF GERMAN GREEN of SIBERIAN.—Popular. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

THOUSAND HEADED.—Grown mainly for forage. See description elsewhere. Pkt. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.



EXTRA CURLLED MOSBACK KALE.

BEANS. Dwarf Bush Varieties.

One quart will sow 100 feet of drill.

Dwarf or bush beans require no support and should be planted in drills an inch and a half deep and drop the beans three inches apart in the drills. Beans are tender annuals and cannot be planted until danger of frost is past. A sandy loam is the best soil. The half pint packages will be found very desirable for small families. We furnish pints at one-half the quart price. Packages contain about two ounces. Price includes postage except at peak and half peak rates. Deduct 15¢ from qt. rate if to be shipped by express. All varieties of beans are scarce owing to the crop failure in my sections.

ERFURT EARLY PROLIFIC BROAD.— See novelties. Per
pkt. 10c, $\frac{1}{2}$ pint 20c, quart 65c.

IMPROVED EARLY VALENTINE.—About ten days earlier than the common Early Valentine. In addition to this it is more robust and vigorous, and produces the true, round, curved pods very abundantly. Unexcelled in quality and uniformity of ripening; nearly the whole crop can be taken at one picking, usually within thirty-five days after planting. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c by express or freight, $\frac{1}{2}$ pk. 85c, pk. \$1.25.

STRINGLESS GREEN POD.—The only stringless green pod bean in cultivation. Consequently it surpasses all others in crisp, tender flavor. The finely shaped, long green pods are absolutely stringless, and are ready to market two weeks earlier than the Valentines. It is of immense value, not only to the market gardener but also to the amateur who seeks a rare quality early for the home table. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by express, $\frac{1}{2}$ pk. \$1.00, dk. \$1.75.



IMPROVED VALENTINE.

IMPROVED GOLDEN WAX.—In spite of all the new sorts of beans being introduced every year, our trade calls for more Golden Wax than and other variety. This great popularity is due largely to the fact that the variety we have is a great improvement on the old Golden Wax, having larger pods and being more prolific. This improved stock is one of the handsomest beans we have ever seen, the pods a dark, rich golden-yellow color and of perfect shape. For family or market you make no mistake in planting them. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by express, $\frac{1}{2}$ pk. \$1.10, pk. \$1.85.

DAVIS WHITE WAX.—A new white, rustless, productive, wax-podded bean; pods flat, very long, white, straight and handsome; seeds clear white; excels all others in hardiness and productiveness. One of the best for shipping snap beans and of the greatest value as a market variety. The length, uniformly perfect shape and fine color of the pods and the clear, white seed, make this one of the best for canners. It is just what they want, a long, straight, clear white pod which does not discolor in canning. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c; by express, $\frac{1}{2}$ pt. \$1.10, pk. \$2.00.

CHALLENGE BLACK WAX.—Earlier, more productive and of better quality than the old Black Wax. Pods tender, round, fleshy and stringless. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by express, $\frac{1}{2}$ pk. \$1.10, pk. \$1.85.

EARLY REFUGEE, or THOUSAND TO ONE.—Most prolific green podded sort, thick and fleshy. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c; by express, $\frac{1}{2}$ pk. 85c, pk. \$1.50.

PROLIFIC TREE, or California Branch.—A valuable variety for field culture. Grows about 20 inches high, has stiff, upright branches and bears immensely, sometimes yielding 45 bu. per acre. The beans closely resemble White Navy. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 35c; by express, $\frac{1}{2}$ pk. 75c, pk. \$1.25. **LARGE WE**



HENDERSON'S DWARF LIMA.

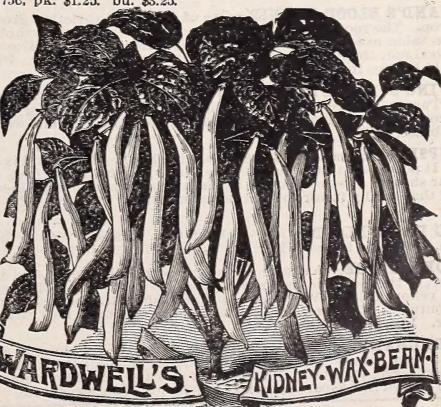


IMPROVED GOLDEN WAX

LONG YELLOW SIX WEEKS.—

STRINGLESS GREEN POD.
HENDERSON'S BUSH LIMA—Grows in compact bush form, producing enormous crops of delicious Lima beans which can be easily gathered as the common garden bush bean; is at least two weeks earlier than any of the climbing Limas; produces a continuous crop from the middle of July until frost. Enormously productive. Pkt. 5¢, ½ pt. 20¢, qt. 60¢; by express, ½ pt. \$1.25, qt. \$2.50.

BURPEE'S BUSH LIMA.—A dwarf or bush form of the true large Lima which is of great value. They are of bush form, growing 18 to 20 inches high, of stout, erect growth, yet branching and vigorous; an immense yielder. Does not always mature dry sheltered beans here, but yields a crop of green ones. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c; by exp. $\frac{1}{2}$ pk. \$1.35, pk. \$2.50. Early and prolific; long, green Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c; by exp.



HARDWELL'S

KIDNEY-WAX-BERN-

POLE BEANS.

Plant from five to six seeds in each hill, about two inches deep; one quart will plant 100 to 150 hills.

ALL SEASONS.—See Novelty List. Pkt. 10c.

GOLDEN CARMINE.—A week to ten days earlier than the Horticultural, robust grower, producing a crop of large stringless pods of bright golden yellow color when very young. As pods approach full size they are mottled and streaked with crimson. Pkt. 10c, $\frac{1}{2}$ pt. 20c, qt. 65c; by express $\frac{1}{2}$ pk. \$1.15, pk. \$2.00.

GOLDEN CLUSTER WAX.—Generally considered the best of all wax pole beans. It bears profusely its long, golden yellow pods in clusters of three to six from bottom to top of pole, and continues in bearing from the middle of July till the vines are cut by frost. Pods are seven to eight inches long and three-fourths of an inch in width. They are quite flat but fleathy, absolutely stringless, very brittle and delicious. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by express, $\frac{1}{2}$ pk. \$1.15, pk. \$2.00.

OLD HOMESTEAD.—Enormously productive, the pods hanging in great clusters from top to bottom of pole. Entirely stringless; pods are of a silvery green color. Can be grown with corn to good advantage. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c; by express $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

LAZY WIFE.—The most popular pole bean and we presume it derived its name from its immense productiveness, and from the ease with which they are cooked. The pods, of medium dark-green color, are produced in great abundance, and measure from $\frac{1}{2}$ to 6 inches in length. The pods retain their rich, tender and stringless qualities until nearly ripe. The white beans make excellent winter shell beans. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c; by express $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

CUT SHORT.—The old-fashioned corn-field bean so popular and often so difficult to obtain Pkt. 5c, $\frac{1}{2}$ pt. 15, qt. 45c; express, $\frac{1}{2}$ pk. 90c, pk. \$1.60.

MAMMOTH HORTICULTURAL POLE.—Of the highest quality as a shell bean either green or dry. Pods very large, bright carmine, lightly streaked, very handsome and exceedingly productive. Deserves more general planting. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by express, $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

WHITE DUTCH CASE KNIFE.—Yields an immense crop of handsome flat white beans of excellent flavor. Cooks easily. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c; by express, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

YARD LONG.—A great curiosity but with an excellent variety. Produces pods 18 to 24 inches long. Pkt. 10c.

KING OF THE GARDEN LIMA.—An improvement on large White Lima, producing a continuous bloom and fruitage to the end of the season. Pods are of enormous size. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by express, $\frac{1}{2}$ pk. \$100, pk. \$1.75.

SCARLET RUNNER.—Valuable for table use or as an ornamental vine. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c; by express, $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

ARABIAN RUNNER.—Similar to the Scarlet Runner. Flowers white, striped scarlet. Pkt. 5c, $\frac{1}{2}$ pt. 25c, qt. 85c.



OLD HOMESTEAD BEANS.



EDMUND'S BLOOD TURNIP.—One of the best varieties grown for main crop. The roots are round, very smooth, of good marketable size, and for table use no variety can exceed it in fine quality. The skin is very blood red; the flesh is also dark red and sweet and tender. Pkt. 5c, $\frac{1}{2}$ oz. 10c, $\frac{1}{4}$ lb. 20c, 1b. 50c.

DEWING'S IMPROVED BLOOD TURNIP.—An improvement on the old Early Blood Turnip. Globe-shape, deep blood-red color, fine flavor, a good seller and generally considered the most desirable variety for main crop and winter use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, 1b. 50c.

ECLIPSE.—This variety has become exceedingly popular and is one of the best early sorts. It possesses all the qualities requisite in a first-class beet, and is of a uniform, globular shape. The roots are of a bright, glossy red, fine-grained and delicious with none of that earthy flavor so objectionable in many varieties. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, 1b. 60c.

LONG DARK BLOOD.—Our stock of this standard variety is greatly improved, smooth, sweet and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, 1b. 50c.

GOLDEN GLOBE.—A choice European sort fully equal, and by many considered superior, to the red varieties in sweetness and flavor, but both the skin and flesh are of bright yellow color. When cut up in a dish with the red beets they make a handsome contrast. They mature early and are so sweet and nice that they should become popular. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, 1b. \$1.00.

SWISS CHARD, or Silver Beet.—A distinct vegetable and much superior to the common beet for greens, which are produced soon after planting. Later the leaves grow very large, with broad, flat, beautiful, white, wax-like stems and mid-ribs, which may be cooked like asparagus. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, 1b. 75c.

BEETS.

One ounce sows 50 feet of drill. Four to six pounds for one acre.

For early, sow as soon as ground can be worked, and about the middle of May for general crop, in drills fifteen inches apart and one and one-half inches deep. As the plants grow, thin to six inches in drills. The young plants make excellent greens. The seed will germinate more freely if soaked in warm water twenty-four hours before sowing, but care should be taken not to plant soaked seed in very dry ground. The soil should be a deep rich loam.

MARKET GARDENERS.—The best and most profitable table variety. See description with novelties. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, 1b. 75c.

EARLY CRIMSON GLOBE.—A very early variety, of spherical form. Skin very smooth and it is as handsome a beet as you can imagine. It is of a rich, deep red color shading to purple. Cooks readily, is very fine grained, and flavor cannot be surpassed. When cooked it is of even, dark color throughout and is attractive when on the table. Of uniform shape and size. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, 1b. 75c.

CROSBY'S IMPROVED EGYPTIAN.—We believe this to be the earliest variety in existence. It is a great improvement on the old Egyptian, being thicker, rounder and more regular in shape, and with very small tops and small tap root. Takes on its turnip shape and looks well even in the early stages of its growth, on which account it is preferred for forcing to any other variety, a decided advantage for a market where beets are sold in bunches. Very popular with Des Moines market gardeners for this purpose. Preferred for forcing in frames or for first sowing outside; being a rapid grower it may be sown outside as late as July. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, 1b. 70c.

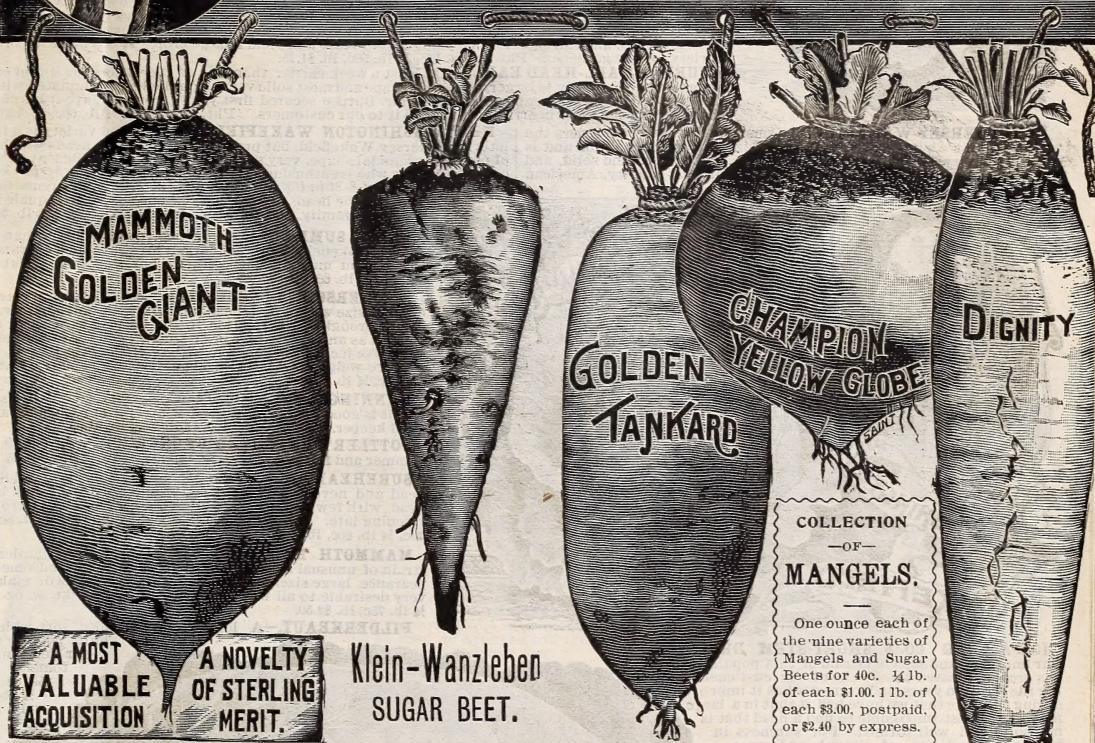


REMEMBER THAT WE PREPAY THE POSTAGE ON BEANS AT THE QUART RATE.

MANGEL & SUGAR BEETS FOR STOCK.



EXTENSIVELY grown in all parts of the country for feeding stock. Sow in April or May in drills three feet apart, and thin to ten inches in the row. If your soil is deep and mellow, try the long varieties; if shallow the round kinds will do better. No crop pays the farmer and stockraiser better than mangels; 1,000 bushels to the acre is an ordinary yield, while, with good culture, 2,339 bushels have been grown to this amount of ground. It costs, counting labor, use of ground and everything, less than \$50 to raise an acre of mangels and gather and store them. This, for an ordinary yield, is a cost of only five cents per bushel. They make the cheapest of foods for all kinds of live stock—horses, cattle, sheep, pigs, chickens, etc. Easily grown, and they help to keep stock in good condition and free from disease. Dairymen claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn. Full directions for culture and storing mangels, will be sent on application. Use five pounds to an acre. Prices quoted by express are not prepaid.



MAMMOTH GOLDEN GIANT.—An improvement on the long yellow mangel, being of considerably greater size, more than half above ground and of a more grayish or rather russet yellow. Remarkably even in shape, rather elongated, of vigorous growth; it has a fine neck and a very smooth skin; flesh white, firm and sweet; much liked by cattle. In short a magnificent root, easily lifted from the ground, producing enormous crops. Excellent keepers; yields 40 to 60 tons per acre. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c. By express not prepaid, 5 lbs. for \$1.25

CHAMPION YELLOW GLOBE.—Finest type of yellow globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine grained, renders it an excellent keeping variety. Well adapted to shallow soils and has a record of producing **106 TONS PER ACRE**. This immense crop was grown by sowing seed in drills 14 inches apart and thinning to 10 inches in the row. Our seed of this variety is particularly choice. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c. By express, 5 lbs. or more, at 30c.

GOLDEN TANKARD.—Best for dairy farming. Considered indispensable among English dairy farmers; it is stated by them they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Other mangels cut white, circled with yellow, but this is of a rich, deep yellow throughout. Early, hardy and a heavy cropper, for an account of its shape the roots can be left standing close in rows. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express, 5 lbs. or more at 25c.

CRIMSON TANKARD.—A fine new sort like above, but of crimson color. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 45c. By express 5 lbs. or more at 30c.

DANISH SUGAR BEET.—An improved strain of the White French Red Top sugar beet which is wonderfully fine for feeding to milch cows and will add greatly to the milk production as well as to its richness. It will yield as much as most varieties of mangels, and we consider it of superior feeding value. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 75c. By express, 5 lbs. or more at 50c.

Last year I grew Dignity Mangel which weighed 35 lbs., and they were the finest I ever raised.—Mrs. A. Hickman, Mecca, Mo.

DIGNITY LONG RED.—An improvement on the Mammoth Long Red by careful selection for a number of years. It stands head and shoulders above all other varieties of mangels; unexcelled for yielding and feeding qualities. Grows to a very large size, weighing from 20 to 50 lbs., and will yield 50 tons per acre with ordinary good cultivation. Thousands of western farmers have grown our Dignity Mangel and call it the most profitable farm crop they ever tried. If you want large crops of large mangels of good quality, don't fail to try Dignity. It is very uniform, smooth and of good shape. Should be grown on deep, loose soil. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express lbs. or more at 25c.

GIANT HALF SUGAR MANGEL.—This is a hybrid or cross between the Mammoth Long Red Mangel and Sugar Beet and for our own use we have found it superior to either. Being sweeter, both cattle and hogs relish them greatly. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c. By express 5 lbs. or more at 25c.

KLEIN-WANZLEBEN.—Also called Diamond Sugar Beet. This variety is cultivated on a larger scale for the beet sugar factories than any other as it usually yields 15 to 20 per cent of sugar. Root is of shape shown in our illustration, straight, tapering evenly and somewhat screw shaped. Our seed is grown in Germany from beets which were tested to be of great sugar before setting out. The heavy per cent of sugar makes it also great value for feeding. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express 5 lbs. \$1.

LANE'S IMPERIAL SUGAR BEET.—An improvement on the White French Sugar Beet. Recommended as harder, more productive, yielding 35 to 40 tons to the acre. It is larger than other varieties and will yield more, but is not as sweet, containing only about 8 per cent of sugar. Greatly liked for stock feeding, and preferred by some to mangels. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express 5 lbs. \$1.10.

L. C. Johnson says that he grew only half an acre of mangels last year and after selling \$20.00 worth to a neighboring dairyman he had sufficient left to feed four cows all winter.

EXTRA EARLY EXPRESS



EARLY JERSEY WAKEFIELD.—Considered by many gardeners the very best first early variety. Of large size for so early a kind and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. Our seed is the highest quality, American grown. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.



IOWA SEED CO.'S SHORT-STEM DRUMHEAD.—Our improved and selected strain of this popular variety has greatly pleased thousands of our customers during the past ten years, and so greatly has it improved during the time that we have had it that in a large field it is almost impossible to find a head that is not solid and well formed. For sureness in heading, regularity of growth and even, large, solid heads, it far surpasses any other strain of late cabbage which we have seen, ripening evenly with very short stem or stalk, and large thick heads of silky fine quality and of best keeping properties. It is almost all head and always sure to head. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

PREMIUM FLAT DUTCH.—This old and well known variety is still the standard winter kind. Its heads are large and solid; also first-class as a keeper. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

ALL SEASONS.—(Vandergaw.)—This most excellent variety is as early as Henderson's Summer and makes considerably larger and harder heads. Excellent to plant late, the thickness of head making it a capital sort for keeping through the winter. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

IMPROVED DANISH BALLHEAD.—(or Hollander.)—This variety has been selected and perfected for more than fifty years by the Danish gardeners. They prize it so highly that they grow it almost exclusively for winter cabbage, and annually export large quantities to London, Paris and other cities. Heads round, good sized, solid and very fine grained. Has but few outer leaves. A good keeper, tender and crisp, with but little waste heart. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

LUXEMBERG HARD HEAD.—An excellent variety which is in great favor on the Chicago market. It makes medium size, very hard head of extraordinary weight. Owing to its remarkable keeping properties it is the best spring seller. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

PERFECTION DRUMHEAD SAVOY.—The Savoy or curly cabbages are of finer flavor and quality than other kinds. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

CABBAGE.

One ounce of seed will produce about 3,000 plants. Set 8,000 to 10,000 plants to the acre, of the early sorts, and 6,000 of the large, late kinds.

No vegetable is of greater importance than cabbage, and compared with the cost of seed, there is more money in growing cabbage than any other crop. It does not pay, therefore, to take any risk in buying seed. We have had our cabbage seed grown by the same growers for about sixteen years past, and it has proven of uniform excellent quality, so that we pride ourselves on having the purest and highest grade of cabbage seed that is offered, or at least it is surpassed by none. The cabbage requires a deep, rich soil and thorough working to insure good, solid, full-sized heads. Sow early sorts in hotbeds in February or March, or in open ground as soon as it can be worked. Later or winter crops in May or June, in shallow drills six inches apart. When the plants are four inches high transplant to richly manured ground, the early kinds two feet apart; the fall and winter varieties three feet apart. Packets contain about 800 seeds. Slug Shot and tobacco dust are used to kill insects and worms.

ZENITH RED.—See Novelties. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.00.

GREEN GLAZED.—Desirable for southern gardeners. See Novelties. Pkt. 10c, oz. 35c.

EXTRA EARLY EXPRESS.—The earliest variety in existence and produces rather small heads long before the Jersey Wakefield or other varieties have begun to head up. Heads are solid, have few outside leaves, and can therefore be planted very close and yield a large crop. It is a most important variety for the gardener. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

BURPEE'S ALL-HEAD EARLY.—At least a week earlier than any of the various strains of early summer cabbage; fully $\frac{1}{2}$ larger, of perfect shape and most solid variety on the list. Originated with C. L. Allen, who grows our cabbage seed, but Mr. Burpee secured first year's crop and gave it his name. However, we can most heartily recommend it to our customers. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

NEW WASHINGTON WAKEFIELD.—This grand variety is a trifle later than Jersey Wakefield, but produces much larger heads which are of perfect pyramidal shape, very solid, and with few outside leaves. One cabbage grower who is enthusiastic in its praise says: "It is first in head, first in market, and first in the hearts of gardeners." Grows remarkably uniform the heads are of even size and shape. Unequalled for market or family garden. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.75.

EARLY SUMMER.—Ten or twelve days later than the Jersey Wakefield, but much larger in size and will stand on the ground much longer without bursting open. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

HENDERSON'S SUCCESSION.—An excellent variety of large size with a flat head maturing in midsummer. It can be brought to perfection in the hottest weather or may be used as an autumn or winter crop. The heads average ten or twelve inches in diameter, but are frequently larger. The average weight per head is about twelve pounds. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c, lb. \$2.50.

WINNINGSTADT.—Cone-shaped summer sort; when sown late it is good for fall and even winter; a sure header and a good keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25.

FOTTLER'S IMPROVED BRUNSWICK.—Excellent for summer and fall use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25.

SUREHEAD.—This popular cabbage is rightly named Surehead and never fails to make a remarkably fine, solid, large head with few outer leaves. It is a strong, vigorous grower, ripening late. A first class main crop variety. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

MAMMOTH RED ROCK.—A choice market gardener's sort of unusual size, weight and color. Its handsome appearance, large size, solidity and good quality will make it very desirable to all who like red cabbage. Pkt. 5c oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

FILDERKRAUT.—A long, pointed-headed sort which is quite popular with our German customers. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.



NEW
SHORT-STEM DRUMHEAD
CABBAGE

CABBAGE PLANTS.

Of our own growing, from best quality of seeds. See page 23 for list of varieties and prices.

CAULIFLOWER.

One ounce will produce about 3,000 plants.



HENDERSON'S EARLY SNOWBALL CAULIFLOWER.

COLLARDS.

One ounce will produce about 3,000 plants.

Collards are largely used as "greens" in some parts of the country, especially South. They are a form of loose headed cabbage.

GEORGIA.—The most satisfactory for general use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

CRESS, or Pepper Grass.

One ounce will sow about 16 square feet.

EARLY CURLY.—A well-known salad. Sow at intervals all season. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

TRUE WATER.—Sow the seeds along the border of running water. Pkt. 10c, oz. 35c.

UPLAND.—See novelties. Pkt. 10c, oz. 25c.

CARROTS.

One ounce will sow 100 feet of drill; 3 or 4 pounds for one acre.

This is an indispensable root for the farm and is deserving of more general cultivation. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. Carrots form a nutritious, succulent food in the winter for cattle, horses, sheep and pigs. For early crop, sow in spring as soon as the ground can be worked, in drills fifteen inches apart, covering one-half inch; thin plants to three or four inches apart in the row. For field culture rows should be of sufficient distance to admit use of a horse cultivator; sow seed from the middle of April to the first of June. A light sandy loam, deeply tilled, is best, but as carrot seed is slow to germinate, extra precautions should be used to firm the soil after sowing. An average yield is 800 to 1,000 bushels per acre.

EARLY SCARLET HORN.—The favorite extra early variety. Very early, Color orange-scarlet, fine grained and agreeable flavor. Top small, has a short, stump-shaped root: grows well in shallow soil. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

OXHEART, or Guerande.—We do not hesitate to call this the most valuable variety in existence. It is intermediate between the Half-Long and the Horn varieties, attaining a diameter of 3 to 4 inches at the neck, of beautiful shape and rich orange color. Where other varieties require digging it is easily pulled. It will produce roots as early as any variety and continues of the best quality all season. Fine for hogs and other stock and has yielded 1,200 bu. per acre. Cut tops with scythe and pull roots with potato hooks. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c

DANVERS.—Is in form about midway between the Long Orange and Shorthorn class, growing generally with a stump root. It is of a rich, dark orange color, grows to a large size, is smooth and the flesh very close texture, with little core. It is a first-class carrot for all soils, and it is claimed that under good cultivation it will yield the greatest weight per acre with the smallest length of root of any grown. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

IMPROVED LONG ORANGE.—Desirable for garden or field. Grows to large size, averaging 12 in. in length, and 3 in. in diameter at the top. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c. By express, 5 lbs. or more at 45c per lb.



DANVERS HALF-LONG

LARGE WHITE VOSGES, or IMPROVED SHORT WHITE.—A stock variety which is

enormously productive and easy to harvest. Color light green above ground, white below; flesh rich, white, solid and crisp; heavy yielding. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 100c; by express, 5 lbs. or more, 45c per lb.

VICTORIA.—Largest carrot grown, heaviest cropping and most nutritious variety in cultivation; roots remarkably fine, of light orange color, symmetrical, excellent quality, possessing high feeding properties; good keeping qualities; heavy cropper on all soils, especially adapted for rich land. **grows half as much weight again per acre as ordinary varieties.** grows well out of ground and is easily harvested. All who have cattle should raise a quantity of these carrots for feeding milk cows during winter. It increases the flow of milk and imparts to the butter a delicious flavor and a rich golden color. Breeders of fine horses feed carrots to help keep them in perfect health and condition at all times. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c. By express 5 lbs. or more, 50c per pound.



IF YOU KEEP A COW DON'T FAIL TO GROW CARROTS, MANGELS AND RUTA BAGAS.

One of the most delicious of vegetables. Any soil that will grow cabbage will grow cauliflower, as their requirements are quite similar. Culture same as cabbage, except that they need a cool and moist atmosphere and should be watered during dry weather. As the flower heads appear, the large leaves should be broken down over them to shield them from the sun and rain.

DANISH GIANT.—A grand new variety, described with novelties. Pkt. 20c, oz. \$2.50.

HENDERSON'S EARLY SNOWBALL.—Throughout the country this is considered not only the earliest of all cauliflowers, but it is more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as eighteen to twenty inches apart each way, thus making it especially valuable to market gardeners. Our stock is extra choice, and cannot be excelled. It is grown in the locality where this variety originated, by a grower whom we believe to be the best in the world. Pkt. 15c, $\frac{1}{4}$ oz. 65c, oz. \$2.25.

EXTRA EARLY DWARF ERFURT.—Valuable for forcing. A very popular variety in Europe and with eastern gardeners. First quality. Pkt. 10c, $\frac{1}{4}$ oz. 50c, oz. \$1.75.

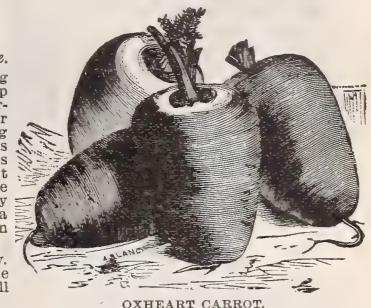
TRUE PARIS.—Well known small variety which usually proves quite satisfactory. Have made price low this year so that all can try this excellent vegetable. Pkt. 5c, oz. 50c.

LENORMAND'S.—A late variety of large size and of excellent quality. Pkt. 10c, oz. 80c.

CAULIFLOWER PLANTS.—See list of vegetable plants.

DANDELION.

IMPROVED THICK LEAVED.—A greatly improved sort bearing large leaves very early, which make excellent greens. Sow early in the spring in drills 18 inches apart; thin to 5 inches in the rows and cultivate well; they will be fit for cutting the next spring. Pkt. 5c, oz. 35c.



OXHEART CARROT.



CELERY.

One ounce will produce
about 6,000 plants.

This we consider one of the luxuries of the garden. For first crop sow the seed early in hotbeds, or in boxes in the house, in rich, moist soil, covering the seed very lightly. For main crop sow seed in open ground in April or as soon as the soil is in good condition. Seed germinates slowly, and if the weather is hot and dry protect with light covering of hay or straw. Stir soil as soon as plants are well up; thin out and transplant so that they stand about an inch apart in the row. If they grow too rapidly, shear the tops off when about 4 or 5 inches high and this will make them more stocky. For main crop set plants out between June 15th and July 15th, in rows three feet apart and the plants six inches apart in the row. Care should be taken to firm the earth well around plants when setting and they will root better. Keep clear of weeds until about the middle of August when it will be time to begin earthing up. Draw the soil up against the plants with a hoe as closely as possible, firming it enough to keep plants in an upright position. Later in the season the blanching process must be finished by digging the soil from between the rows and banking clear to the tops on each side of the row of celery. Much labor is saved by growing the self-blanching varieties, but they do not keep quite so well for winter use. A new book entitled *CELERY FOR PROFIT* by T. Greiner sent postpaid for 20c. It will pay you to have it.

GOLDEN SELF-BLANCHING.—This is by far the most popular variety now on the market. It is of medium earliness, of dwarf, compact habit, with thick, solid, heavily ribbed stalks, which blanch easily to a clear waxy yellow. When grown in rich, moist soil, the stalks are numerous and large with a solid heart of beautiful yellow. Pkt. 5c, oz. 25c, 1/4 lb. 90c, lb. \$3.25.

ROSE RIBBED SELF-BLANCHING.—A sport from the Golden Self-Blanching, having all of its good qualities, but with the additional attraction of beautiful, rose-tinted ribs.

WHITE PLUME.—Stalks, portions of the inner leaves and heart naturally white, and become fit for use by simply tying it up closely with soft twine. More used than any other variety by market gardeners. Our seed is of highest quality. Pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.75.

Giant PASCAL.—One of the best for fall and winter use. It is a selection from the Golden Self-Blanching, and adds to the general good quality of its parent, superior keeping qualities. The stalks are very large, solid, crisp and of a rich, nutty flavor. It blanches very easily and quickly. The heart is golden yellow, very attractive. Pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.50.

HENDERSON'S HALF DWARF.—Entirely solid, possessing a rich nutty flavor, while it has much vigor of growth and heavy stalks. Pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. \$1.25.

WINTER QUEEN.—The finest dwarf winter celery. Of a rich green coloring, like the Giant Pascal. It is more readily blanched and ready for use earlier in the fall. The plants make large bunches of extra heavy stalks of even length, making a very handsome appearance, fine for flavor, best table quality; keeps until May. Pkt. 5c, oz. 25c, 1/4 lb. 85c.

GOLDEN DWARF.—Golden yellow, solid, crisp. Pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. \$1.25.

OLD CELERY SEED.—For flavoring. Oz. 5c, 1/4 lb. 15c, lb. 40c.

CELERY PLANTS.—See Vegetable Plants on page 23.



GOLDEN SELF-BLANCHING CELERY.

CELERIAC

Or Turnip Rooted Celery.

GIANT PRAGUE.—Celeriac is quite a desirable though little known vegetable. Instead of producing long leaf stalks like the ordinary varieties it has a bulbous or turnip like root which has the true celery flavor and is greatly liked by all who have tried it. Our Giant Prague variety is the largest, smoothest and best sort. Very easily grown and we advise you to try it. Excellent for salads and flavoring and quite popular with our German customers. Pkt. 5c, oz. 20c, 1/4 lb. 60c.



GIANT PRAGUE CELERIAC.

One ounce will plant fifty hills.
Two pounds will plant an acre.

CUCUMBER.

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hotbeds, in berry boxes or in small flower pots, six weeks before they can be set out in open ground. When danger of frost is over transplant in hills four feet apart each way. For general crop plant in open ground in May, about twelve seeds in a hill. When danger of bugs is past thin to four strong plants in a hill. For pickling, plant in June. Sprinkle the vines with plaster or air-slacked lime to protect them from the bugs, or use Slug Shot to kill the bugs.

DAVIS PERFECT.—A very desirable sort; see back cover. Pkt. 10c, oz. 20c, 1/4 lb. 65c, lb. \$1.75

EARLY EXPRESS.—See Novelties. Pkt. 10c, oz. 20c, 1/4 lb. 60c, lb. \$1.75.

LEMON.—See Novelties. Pkt. 10c. **ASTRO.**—See Novelties. Pkt. 10c.

EARLY CLUSTER.—Fruits of the slim form desirable for pickling. It is extra prolific, frequently setting in clusters of two and three. These are desirable for small pickles. If fruit is kept gathered, the vines will continue in bearing. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c.

GREEN PROLIFIC.—One of the best pickling varieties; dark green, tender, crisp; very productive, of fine flavor and good for table use. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c.

IMPROVED CHICAGO PICKLE.—This variety, which originated with a leading pickle grower near Chicago, is considered the best variety there; very prolific; matures early; produces immense number of desirable shaped pickles. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 85c.

BOSTON, or JERSEY PICKLE.—Is used almost exclusively by the market gardeners near Boston for pickling. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c.

PERFECT WHITE SPINE.—This improved strain is pronounced by good judges superior to all others. Fruit even and good size, straight, well formed and symmetrical. It is of uniform shape, making it unexcelled for pickling. Immensely productive and keeps solid and crisp a long time. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 85c.

EMERALD.—A new variety which possesses that rich, dark green color, which has long been sought but never before obtained, retaining its color until fully ripe. Its fruit sets early and its vigorous vines abound in long, straight, handsome fruits of most desirable qualities. Pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. \$1.25

IMPROVED BISMARCK.—An excellent variety with very long fruit pointed at both ends, very uniform in shape, size and color, thus making it an excellent sort for No. 1.—**Perfect White Spine.** No. 2.—**Improved Bismarck.** No. 3.—**Improved Chicago Pickle.** No. 4.—**Emerald.**

JAPANESE CLIMBING.—Vines are of healthy, vigorous growth, with rich, dark green foliage, and throw out strong, grasping tendrils which enable it to climb trellis, wire netting, brush or any other suitable support. Of large size, cylindrical shape, flesh pure white, skin dark green, turning to brown and sweet when ripe; excellent for slicing. Pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.50.

IMPROVED LONG GREEN.—A standard sort. Vine vigorous and productive, forming fruit fine for the table nearly as early as the shorter



sorts; firm fruit, about 12 inches long. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 90c.

WEST INDIA GHERKIN, or BURR.—Makes a handsome pickle, first-class quality. Be sure to try it. Pkt. 5c, oz. 25c, 1/4 lb. 80c.

SNAKE.—A remarkable and very interesting curiosity. Cucumbers grow curled up like a snake with the head protruding, and some measure six feet in length. Grown chiefly as a curiosity and for exhibition. In packets only. Each 10c.

SWEET CORN.

One quart will plant 200 hills;

One peck will plant an acre in hills.

Plant as soon as the ground becomes warm in the spring, in hills about three feet apart; five or six grains to the hill, and when up thin them out, allowing three or four of the strongest plants to remain; give thorough cultivation. Our sweet corn is carefully grown and selected, only the choicest, most perfect ears being shelled for seed. It costs us more and is far superior to ordinary stock. Packets contain about two ounces. We pay the postage by the packet, half pint, and quart. Deduct ten cents on each quart if to be sent by express; pints at half quart prices. The half pint packages are very desirable for small families.

EARLY SUNRISE.—See Novelties. Pkt. 5c, 1/2 pt. 15c, qt. 50c. By express, 1/2 pk. 75c, pk. \$1.25.

GOLDEN BANTAM.—See Novelties. Pkt. 5c, 1/2 pt. 15c, qt. 50c.

PHARAOH'S DREAM.—The most productive variety. See illustration and description with Novelties. Pkt. 10c, 1/2 pt. 20c, qt. 50c. By express, 1/2 pk. 85c, pk. \$1.50.

PEEP O' DAY.—Of Minnesota origin, 5 to 7 days earlier than other early kinds. Ears five inches long, perfect form, and well filled. The corn is tender and sweet. On our place it matured with Early Sunrise and is similar to it in many respects. You will make no mistake in planting some of it for first early. Pkt. 5c, 1/2 pt. 15c, qt. 40c. By express, 1/2 pk. 75c, pk. \$1.25.

EXTRA EARLY CORY.—(White Cob).—This was for years the most popular variety with market gardeners for first early market until the introduction of Early Sunrise. It is of dwarf growth, and yields well; ears of medium size. Pkt. 5c, 1/2 pt. 15c, qt. 35c. By express, 1/2 pk. 65c, pk. \$1.20.

EARLY MINNESOTA.—A standard early variety. The ears are of good size and well flavored. Valuable for either private or market use. Pkt. 5c, 1/2 pt. 10c, qt. 30c. By express, 1/2 pk. 50c, pk. 85c.

EXTRA EARLY ADAMS.—This is not a true sweet corn, but produces ears well filled with tender white grains. It is very early and on account of its hardness and hard, round grain it can be planted much earlier than sweet corn. Pkt. 5c, 1/2 pt. 10c, qt. 30c. By express, 1/2 pk. 50c, pk. \$1.20.

COUNTRY GENTLEMAN.—Producing large 12-rowed ears 8 to 10 inches long. Pure white kernels with medium white cob, very sweet and tender, usually producing two ears to the stalk. This variety is unsurpassed for market gardening as well as the family garden, owing to its large size and fine appearance. Pkt. 5c, 1/2 pt. 15c, qt. 35c. By express, 1/2 pk. 65c, pk. \$1.20.

COUNTRY GENTLEMAN.—An improvement on the old favorite Shoe Pea Sweet Corn. Our illustration of a single stalk shows its great productiveness; 3 to 5 ears to a stalk. This, coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is small, giving great depth to kernels which are pearly white, and we cannot say too often—surprisingly sweet and tender. Pkt. 5c, 1/2 pt. 15c, qt. 40c. By express, 1/2 pk. 85c, pk. \$1.50.

CROSBY'S EARLY.—For medium early use and general crop this is one of the most desirable varieties. Ears are of medium size and the cooking qualities excellent. A good cropper and profitable for family use and as a market sort. Pkt. 5c, 1/2 pt. 10c, qt. 30c. By express, 1/2 pk. 60c, pk. \$1.00.

IMPROVED STOWELL'S EVERGREEN.—For many years Stowell's Evergreen Corn has been the most prominent main crop variety and is more largely planted than any other, being a general favorite with canners and market gardeners for late use. We have been selecting this for a number of years to improve it for family use. The ears are medium to large size and our illustration was made by combining the picture of the lower part of an ear in fit condition for table use with part of an ear of dry seed corn. The grains are deep, exceptionally tender and remain a long time in an edible condition. The dried kernels are shriveled so much that they readily show its unusual sweetness. Pkt. 5c, 1/2 pt. 12c, qt. 35c. By express, 1/2 pk. 65c, pk. \$1.20.

STRIPED EVERGREEN.—A novelty in sweet corn. In size and depth of grain it resembles the Stowell's Evergreen, but each grain is of pearly white, distinctly marked with a bright crimson stripe, thus making a very showy and attractive sort. It is very productive and unusually sweet. Pkt. 10c, 1/2 pt. 20c, qt. 50c.

BLACK MEXICAN.—Although the ripe grain is black, or bluish black, the corn when in condition for the table cooks remarkably white and is surpassed by none in tenderness. This, by many, is considered the most desirable for family use of the second early sorts. Withstands hot, dry weather. Pkt. 5c, 1/2 pt. 15c, qt. 40c. By express, 1/2 pk. 75c, pk. \$1.25.

MAMMOTH SUGAR.—This produces the largest ear of any sweet corn, a single ear sometimes weighing 2 or 3 lbs.; sweet and luscious. Pkt. 5c, 1/2 pt. 12c, qt. 35c. By express, 1/2 pk. 70c, pk. \$1.25.

EVERGREEN FODDER.—For dairymen. Quart 25c. By express, 1/2 pk. 55c, pk. 60c, bu. \$1.75.

EARLY FODDER.—Quart 25c. By express, 1/2 pk. 35c, pk. 60c, bu. \$1.75.

POP CORN.

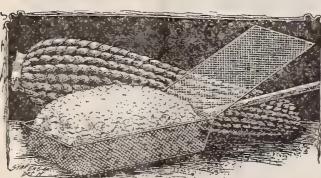
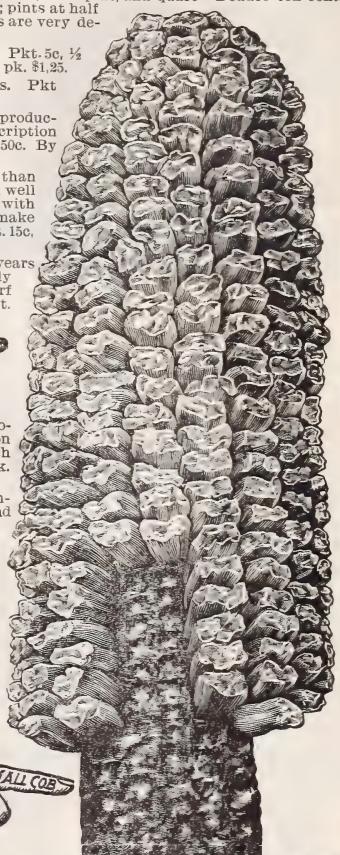
It pays to raise pop corn as a general crop. Demand usually exceeds the supply. Some farmers claim that it is as easily grown as field corn and they receive three or four times the amount per acre for the crop. For main crop the Monarch White Rice will bring the best price per pound, as it is better known. Let the children try a small patch anyway for home use. Ask for prices in quantity.

PAGE'S NEW STRIPED RICE.—Best and most attractive variety of pop corn. Color white; each kernel is striped with bright crimson. Ears of good size; early and very productive. Pkt. 5c, 1/2 pt. 15c, qt. 50c.

QUEEN'S GOLDEN.—Color a peculiar lustrous golden yellow; pops to a rich cream color; very prolific. Pkt. 5c, 1/2 pt. 12c, qt. 40c.

MALPASDELA PROLIFIC.—The most productive pop corn, averaging five to twelve good ears to the stalk. Pops to large size; tender. Pkt. 5c, 1/2 pt. 15c, qt. 50c.

MONARCH WHITE RICE.—It is the best white variety. Bears from three to six ears per stalk, and produces fifteen hundred to two thousand pounds per acre. It will pay you to try it. Pkt. 5c, 1/2 pt. 10c, qt. 30c; by express, 1/2 pk. 60c, pk. \$1.00.



PAGE'S STRIPED RICE.

IT PAYS TO PLANT OUR EVERGREEN FODDER CORN FOR DAIRY COWS.

— — — — — STRIVED ENDIVE, THE WINTER LETTUCE? YOU WILL LIKE IT—SEE PAGE 10.

IMPROVED STOWELL'S EVERGREEN.

EGG PLANT.

A tender plant that should be started quite early in a hotbed or box in the house which must be kept warm. Transplant late to open ground 2½ feet apart.

IMPROVED NEW YORK.—Our strain of this, the leading market variety, we believe to be unsurpassed. Very large size, skin deep purple, flesh white and of excellent quality. Very productive. Pkt. 5c, oz. 25c, ¼ lb. \$1.20.

EARLY LONG PURPLE.—The earliest variety in existence, being several weeks earlier than the above. Fruit is same color as the Improved New York Purple, but is longer and somewhat smaller. Fully equal in quality, and what it lacks in style is made up in productiveness. 1-kt 5c, oz. 25c, ¼ lb. 90c.

PEARL WHITE.—Pure creamy white, with slight shading of light green near the stem; good quality. Pkt. 5c, oz. 40c, ¼ lb. \$1.40.

CORN SALAD.

One ounce will sow about 20 square feet.

A nice winter salad. Sow in September in drills. Just before cold weather cover with straw or leaves. Per pkt. 5c, oz. 10c, ¼ lb. 30c.

CHUFAS, or Earth Almond.

A nice little ground nut which is greatly liked by the children. In sweetness and flavor they resemble the cocoonut or almond and are considered very nice put on the table in a fruit dish with candies, and as an after dinner relish. Very prolific, a single plant yielding from 200 to 400. The nuts grow under the ground, very near the surface, easily reached by pigs and poultry and destroyed by them if they have free access. Plant in April, 7 inches apart in two and one-half foot rows. Cover them lightly. If seed is very dry, soak them well before planting. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 75c.

CHICORY.

One ounce will sow about 15 square feet.

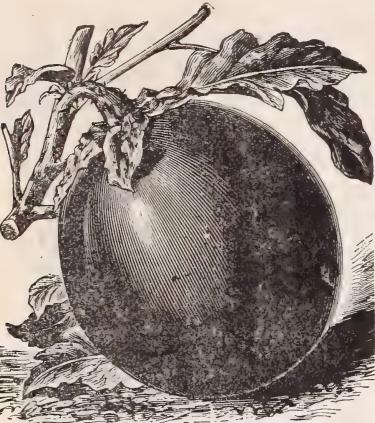
LARGE ROOTED.—Used as a substitute for coffee. Cultivate the same as carrots. Take up the roots in fall, cut in small pieces and let dry. When wanted for use it is roasted and ground like coffee. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

CURLED CHERVIL.

An ounce will sow 100 feet of drill.
Leaves used in soups and salads. They have a pleasant aromatic taste which is greatly liked. Cultivate like parsley. Pkt. 5c, oz. 15c, ¼ lb. 40c.

WITLOOF.

A delicious winter vegetable which is really a variety of Chicory, but is sometimes called French Endive. It makes one of the finest of all salads and is also excellent boiled. Plant seed in March or June in open ground and in the fall dig the roots and plant them in earth in a dark, cool place in the cellar or under greenhouse bench. By planting deeply in loose soil a more solid head is produced which is especially fine. Pkt. 10c, oz. 25c.



IMPROVED NEW YORK EGG PLANT.

ENDIVE.

One ounce will sow about 60 sq. feet.

Preferred to lettuce by those who have tried it. Should be more largely used. One of the best and most wholesome salads for fall and winter use. Sow in late April for early use or in June or July for winter use. When leaves are eight inches long tie them together with a string near the top to blanch.

GREEN CURLY.—Has finely cut leaves, making a handsome plant, Pkt. 5c, oz. 15c, ¼ lb. 40c, 10c, ¼ lb. 1.25.

GIANT FRINGED.—Also called winter lettuce. This fine new variety is the best of all. It is a strong, vigorous grower, making a large, white heart, all the leaves are beautifully curled and of the best quality. Very crisp and refreshing. Pkt. 5c, oz. 20c, ¼ lb. 60c.

KOHL RABI *One ounce will produce 2,500 plants.*

If you have never grown Kohl Rabi you should try it this year. It is a most excellent vegetable, intermediate between the cabbage and turnip. Cultivate like cabbage and cook like turnips.

GOLIATH PURPLE.—This new variety is of immense size, solid and sweet; considered by many far superior to cabbage or turnip, and decidedly more nutritious. Keeps well. In buying it will pay you to have the best. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.00.



GOLIATH KOHL RABI.

EARLY WHITE VIENNA.—Flesh white and tender. Good market sort. Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. \$1.60.

PARSLEY.

One ounce will sow 150 feet of drill.

Sow very early, thinly in drills, one foot apart; and half an inch deep. Soak seed in warm water for 24 hours before sowing. For winter use protect in a glass frame or light cellar.

MARKET GARDENER'S *An extra select stock with dark green, beautifully curled, mossy leaves, very ornamental in its growth and very productive. Valuable for either garnishing or flavoring.* Earlier than other varieties and what is more important it retains its dark green color till late in the fall and continues to produce well throughout the winter when transferred to the greenhouse. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.25.

CHAMPION MOSS CURLY.—A very select stock, finely crimped and curled. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 65c.

HAMBURG.—Turnip-rooted variety, used for flavoring soups, etc. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

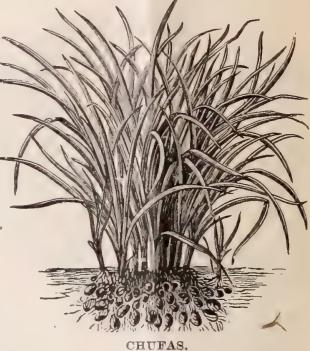
OKRA, or GUMBO.

One ounce will sow about 80 feet of drill.

Why not try Okra this year? It is extra nice for soups, stews, etc., and also much liked when pickled. Sow at the usual time of tender vegetables in drills 2 inches deep, leaving the plants 2 to 3 feet apart. Pick pods while still tender and slice crosswise before cooking.

WYRICK'S NEW GIANT.—A great improvement. See Novelties. Per pkt. 10c, oz. 25c.

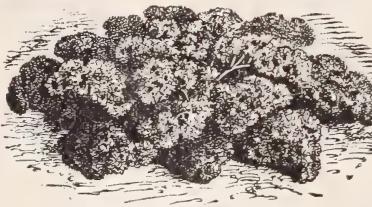
WHITE VELVET.—Pods round, smooth and of an attractive white velvety appearance, very tender and of a superior flavor. In the south where Okra is grown by almost every one, this is considered the choicest quality. Plants dwarf and very productive. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.



CHUFAS.



GIANT FRINGED ENDIVE.

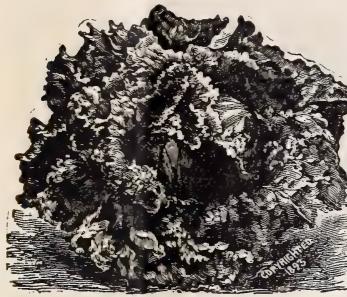


MARKET GARDENERS' PARSLEY.



WHITE VELVET OKRA.

LETTUCE.



ICEBERG LETTUCE

ICEBERG.—The large, curly leaves covering the heads are a bright, light green, with slight reddish tinge at edges. Center thoroughly blanched. In early spring or hottest days of summer the quality is simply perfect. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

IMMENSITY.—An enormous solid head variety, sometimes 18 inches in diameter, but still tender, crisp and of excellent quality. A very reliable main crop sort. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

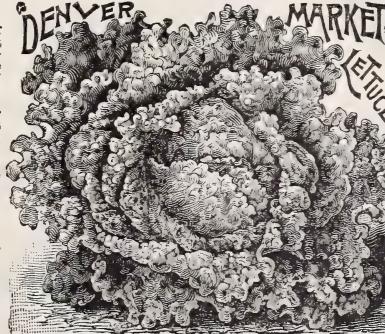
DENVER MARKET.—An early variety of Head Lettuce either for forcing or open ground. Large, solid heads, light green color, and is very slow to go to seed. Leaves beautifully marked and blistered, very crisp, tender and of excellent flavor. By these blistered leaves it distinguishes itself from any other sort. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 85c.

GRAND RAPIDS.—A forcing variety of superior quality. Strong grower, free from rot, keeps crisp and tender without wilting when exposed for sale longer than any forcing lettuce. Desirable variety for sowing in open ground. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

CALIFORNIA CREAM BUTTER.—A variety of cabbage lettuce, with round, solid head, as shown in the illustration; outside, the heads are of medium green, slightly marked with small brown spots; within, the leaves are of a very rich cream yellow color, rich and buttery to the taste. The heads are of good size, compact, very hard and solid. In California they eat the heart only, with a dressing of olive oil, vinegar, salt and pepper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

SALAMANDER.—An excellent spring, summer and fall variety, forming good sized heads that stand drouth and heat longer without injury than any other sort; matures. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

RELISH, or Improved Big Boston.—When visiting the place of one of our seed growers in California, we were greatly pleased with this fine new variety, which we do not hesitate to call the best of all for family use. It is one of those rich, buttery flavored sorts which after one becomes accustomed to, they always prefer to the crisp leafed varieties. It is the blanched yellow center of the head that is eaten with olive oil, vinegar, salt and pepper. A desirable sort. Early and hardy. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.



RELISH LETTUCE.

One ounce will sow 100 feet of drill.

Probably no vegetable is more universally used than lettuce, and to be thoroughly appreciated it must be brought to the table fresh and unwilted. The quality of lettuce depends largely upon a rapid and vigorous growth. Sow in hotbed in March and in open ground as early as it can be worked, thinly in drills one foot apart. For a succession, sow every three weeks during season. Thin out the plants as they grow.

CONTINUITY.—A novelty, of dark brown, nearly black color and excellent quality. See description with novelties. Pkt. 10c, oz. 25c.

MORSE.—Might well be named Improved Black Seeded Simpson. Desirable for growing under glass or out doors. The finest family sort in existence. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



IMPROVED HANSON.—For general use both of market gardeners and in the private garden, we are sure that no variety can surpass our improved, carefully selected strain of Hanson Lettuce. It has been so judiciously improved that the heads are so solid that often they do not send up a seed stalk unless cut open with a knife. Heads are very large, green outside and nearly white within, deliciously sweet, crisp and tender, and almost absolutely free from rank or bitter taste. Resists the summer heat exceptionally well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

EARLY CURLLED SIMPSON.—An improved variety of Curled Simpson; large loose heads; fine flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

PRIZE HEAD.—Very tender leaves of dark reddish brown color variegated with dark green. Heads large and of good flavor. We sell more of this than any other brown leaved variety. Always satisfactory. Pkt. 5c, oz. $\frac{1}{4}$ lb. 30c, lb. 85c.

BLACK SEEDED SIMPSON.—Nearly double the size of ordinary Curled Simpson. Stands the summer well without becoming tough or running to seed quickly. It is by far the most popular variety for greenhouse forcing, making large, handsome heads in a very short time. Gardeners are always pleased with our seed. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

RUDOLPH'S FAVORITE.—Of large size, crisp and delicate in flavor and very desirable for summer use, as well as for forcing. Forms a fine solid head of beautiful yellow color. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

MIXED VARIETIES.—Seeds of about 20 early, medium and late sorts mixed, thus giving lettuce for the table during the entire season, and giving opportunity to try all the leading varieties with but little expense. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

LEEK.

Leeks are quite appetizing when sliced and served as a salad, or they can be cooked and served like onions. Sow seed thinly in drills early in the spring; thin out so as to stand six inches apart in the row. Early in the fall draw earth up about the stems as you would to blanch celery.

LARGE ROUEN.—Largest and most uniform of all. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.25.



SOUTHERN GIANT CURLLED MUSTARD.

MUSTARD.

A pungent salad, used with cress or for greens. Sow thickly in rows, cut when about two inches high. One ounce will sow about seventy-five feet of drill.

OSTRICH PLUME.—Leaves are long, ruffled and frilled, and curved as gracefully as an ostrich plume, making them desirable for garnishing. Can be cut white early and is unsurpassed for "greens." Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

SOUTHERN GIANT CURLLED.—The true curled-leaf variety so popular in the South for planting in the fall to furnish an early spring salad; also excellent for spring sowing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

CHINESE GOLDEN.—Leaves very thick, finely curled and of a bright golden yellow color. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

WHITE ENGLISH.—Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c.



EMERALD GEM MUSK MELON.

BAY VIEW.—One of the most prolific melons in cultivation. It has been grown to weigh from 15 to 20 lbs. and from 15 to 18 inches long. Hardy, vigorous and continues a long time in bearing. Pkt. 5c. oz. 10c. 34 lb. 30c. lb. \$1.00.

THOROUGHBRED ROCKY FORD.—This variety which is well shown by our illustration, has everywhere been in great demand by the high class hotels and restaurants. Hundreds of car loads of them have been shipped from the little town of Rocky Ford, Colorado, to Chicago, St. Louis, New Orleans, Philadelphia, Newport, Boston and other cities, driving out the home grown. The melons are of just the right size for table use, slightly oval in shape. The flesh is thick, of a light green color, and a fine juicy, luscious flavor. It is very early, and is wonderfully productive. Our seed is saved from choice specimens in the crop of the best melon grower at Rocky Ford who grows the Thoroughbred or pugilist stock of this variety. Pkt. 5c. oz. 15c. 34 lb. 40c. lb. \$1.25.

ORDINARY ROCKY FORD.—A good quality but not equal to the above. Pkt. 5c. oz. 10c. 34 lb. 25c. lb. 70c.

PAUL ROSE.—We have been greatly pleased with this and consider it one of the finest sorts. It is the result of a cross of the Osage and Netted Gem combining in the sweetness and high flavor of the former with the fine setting and shipping qualities of the latter. It is of peculiarly sweet, rich, delicious flavor, and a long keeper. Notwithstanding its thin rind, Paul Rose is a cod shipper and fine melon for market purposes. If you are a gardener plant it and catch top market prices. Pkt. 5c. oz. 10c. 34 lb. 30c. lb. \$1.00.

OSAGE.—One of the best melons on the market for family use and also greatly liked by gardeners. The flesh is salmon color, remarkably sweet and spicy in flavor, extremely thick and delicious to the rind. The seed cavity is very small. It is seldom that one of poor quality is found. The whole crop is very even and extra heavy, up to the thickness of the meat. Highly prized by those who like an exceedingly sweet and highly flavored melon. It is of medium size, oval, slightly ribbed. The skin is thin, of dark green color and covered more or less with shallow netting. We have taken a great deal of pains to develop the thick, deep, rich colored and fine flavored flesh of this sort, and a careful comparison proves it to be unequalled. All lovers of fine melons should try the Osage. Pkt. 5c. oz. 10c. 34 lb. 30c. lb. \$1.00.

BANANA.—Attains a length of from eighteen inches to three feet three inches, and is from two to four inches thick. Flesh very thick, of salmon color. It looks almost like an overgrown banana; smells like one hence its name. Pkt. 4c. oz. 25c.

MIXED MUSK MELON.—All of the above and a few other kinds grown separately and the seed mixed together. Will produce melons throughout the whole melon season. For pkt. 5c. oz. 10c. 34 lb. 30c. lb. \$1.00.

WHAT THE OHIO FARMER SAYS.

The Ohio Farmer, published at Cleveland, O., which we believe has the largest paid circulation of any agricultural weekly in America, and who also publish the Michigan Farmer of Detroit, writes us as follows: "It is with sincere pleasure that we are able to report that in the fifteen years that you have been advertising in our publications, we have not received a single complaint from any one of the many thousands of our readers with whom you have done business. When you consider the great number of chances that there are for slight errors, misunderstandings and that sort of thing in seed business it is certainly a phenomenal record and one of the exceptions in this line of business, as our records show there has not been a single complaint received by us.

I have bought my seeds from you for over 25 years and have no reason to find fault.—O. Burton, Sidney, Iowa.

MUSK MELON.

One ounce will plant about 50 hills, two pounds to the acre.

The soil best adapted to the culture of melons is a warm, rich, sandy loam. Plant in hills five or six feet apart each way, ten or twelve feet in a hill. When they begin to vine, thin out, leaving only four of the most thrifty. As melons are very sensitive to cold, they should not be planted until the settled warm weather begins—in this latitude about the middle of May. Cultivation should commence as soon as the plants appear above the ground, and be kept up once a week until the vines interfere too much. You will be pleased with our melon seed.

EMERALD GEM.—Illustrated and described on back cover of this catalogue. Pkt. 10c. oz. 20c. 34 lb. 75c. lb. \$2.25.

EUROPEAN and AFRICAN MIXED.—See Novelties. Pkt. 10c. oz. 20c. 34 lb. 75c. lb. \$2.25.

GRAND RAPIDS.—Extremely early and has been on the market two weeks earlier than any other sort and sold readily at \$2.50 per dozen to the hotels and fancy grocers, while melons shipped from the south were practically unsaleable. The flesh is pure yellow clear to the rind; skin finely netted. To obtain the best results, pinch off runners, thus throwing growth into fruit, making it of larger size and earlier. Pkt. 5c. oz. 10c. 34 lb. 30c. lb. \$1.00.

EMERALD GEM.—This is undoubtedly the finest in flavor of any variety of musk melon. It is also the earliest to ripen and while too soft to stand shipping any great distance to market, it is unequalled for home use or nearby markets. Vines of strong vigorous growth and very prolific. If fruits are gathered as soon as they ripen, the vines will continue bearing throughout the season. The melons are rather small and flattened at both ends. The skin is a rich, deep emerald green, smooth and free from netting. The fruits are heavily ribbed, with narrow bands of lighter green between the ribs. Flesh very thick with thin rind and small seed and small seed cavity, crystalline appearance, and of rich salmon color. Pkt. 5c. oz. 15c. 34 lb. 40c. lb. \$1.25.

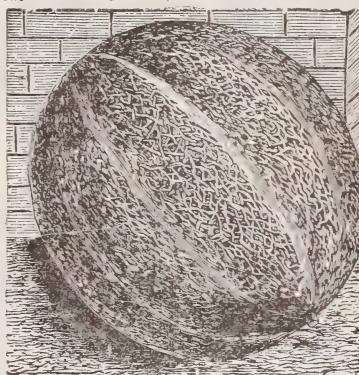
IMPROVED EARLY HACKENSACK.—This valuable variety is ready for market fully ten days ahead of the well known Hackensack, which it resembles in size, shape and quality. They are almost equal in size to the old Hackensack, weighing from five to ten pounds each. It is also very productive, averaging from five to six melons on the vine, 34 oz. of them deeply netted; flesh light green. Pkt. 5c. oz. 10c. 34 lb. 30c. lb. \$1.25.

IMPROVED GREEN NUTMEG.—A greatly improved strain of the old Green Nutmeg. Fruit of a medium size, very rich, melting and of exquisite flavor; flesh light green. Very productive; Pkt. 5c. oz. 10c. 34 lb. 30c. lb. \$1.00.

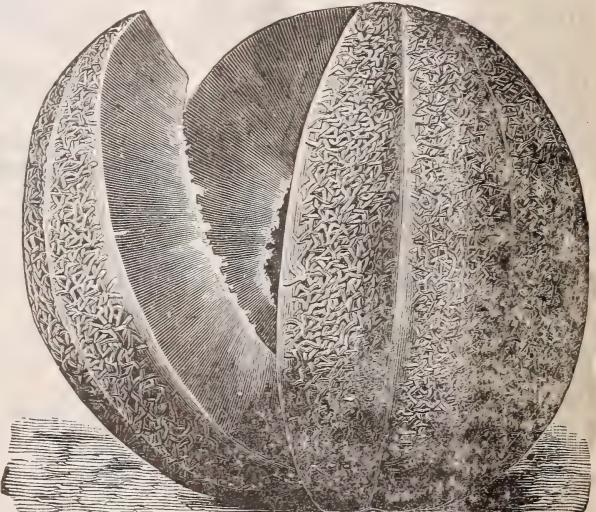
NETTED GEM.—A most excellent small melon and very popular with melon growers. It is finely netted and looks nice on the market. Flesh green and particularly rich and juicy, so that it seems to melt in the mouth. Pkt. 5c. oz. 10c. 34 lb. 20c. lb. 60c.

MONTREAL MARKET.—This is a very large fruited variety of superior quality. They are nearly round in form, slightly flattened at the ends, with very large, broad, heavy ribs. Dark-green skin, thickly covered with heavy netting. The flesh is two inches thick, light green melting and of delicious flavor. This is one of the handsomest varieties to grow for exhibition purposes. Pkt. 5c. oz. 15c. 34 lb. 50c. lb. \$1.50.

WINTER PINEAPPLE, or SANTA CLAUS.—This is distinct from any other variety. Has almost solid flesh, which is light green, unusually spicy, and having a rich, aromatic pineapple flavor. As it does not ripen on the vines, it should be picked before hard frost and kept in a cool dry cellar, where it will keep for months and when wanted for use placed in a warm room to ripen. Pkt. 10c. oz. 25c.



ROCKY FORD MUSK MELON.



OSAGE MUSK MELON.

WATER MELON.

One ounce is required for forty hills; three pounds will plant an acre.

A light, sandy soil with good exposure to the sun, is the best for watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. Plant in hills 8 to 10 feet apart each way. Plant 8 to 10 seeds in a hill, and finally, when danger of insects is past, leave but three strong plants. Thousands of melon growers depend on us annually for their seeds and are universally pleased, claiming that nowhere have they ever obtained seeds so pure and reliable. It pays to have the best. Packets contain about 100 seeds.

KOEL'S EARLY.—Decidedly the finest early variety for the private garden, but is too brittle for long shipments. It is very early and will mature farther north than most other sorts. Of medium size, very productive, continuing to bear throughout the season. Flesh of bright red color, of granulated, sparkling appearance. In flavor it is lusciously sweet and refreshing. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 25c. lb. 75c.

PEERLESS, or Ice Cream.—(White Seeded.) Of unquestionable quality, very early, of medium size, thin rind, flesh bright scarlet. Rind is too thin for shipping but it is the great home market melon. Few if any varieties can surpass it in melting delicious quality. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 25c. lb. 50c.

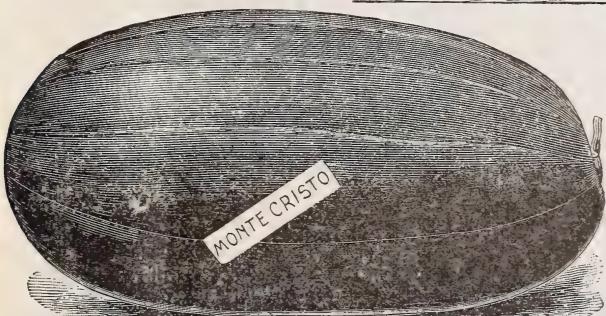
FORDHOOK EARLY.—A large early sort. From seeds planted May 10th, ripe melons were produced the last of July. The rind is tough, making it valuable for shipping. Color, a uniform medium green; flesh red and very sweet. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 25c. lb. 85c.

IMPROVED TRIUMPH.—Undoubtedly the largest of all melons, having been grown to the extraordinary weight of 149 $\frac{1}{2}$ lbs. It is also very productive, as melons, aggregating over 800 lbs. have been grown on one vine. Isn't that enough to make the pickaninnies dance, as shown in our picture? Governor Candler states that, he had one of the Triumph Melons weighing 132 lbs., which was sufficient to supply the 43 persons present with all they could eat. It is of dark green color, matures in good season; flesh is dark red, solid and of excellent quality. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 25c. lb. 75c.

MONTE CRISTO, or Kleckley's Sweets.

After testing all varieties of melons, we do not hesitate to pronounce this one of the sweetest, juiciest, most delicious melons in existence, and it is especially desirable for the private family. The skin is dark green, faintly striped; flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early, is of large size, is a good shipper and a long keeper. Market gardeners will also be pleased with it. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 25c. lb. 75c.

C. B. Vail, the noted melon grower of Muscatine, Iowa, wrote us September 15 "We are sending a sample Triumph Melon to you to-day, weighing 62 lbs. I have shipped several carloads of this variety this year which averages nearly 50 lbs. each."



DUKE JONES.—This magnificent large melon has a dark green rind, slightly striped, flesh bright red, very juicy and delicious. It matures medium early, is very prolific and much larger than Kolb's Gem. A carload of 800 melons, averaging 43 pounds each, were gathered from $\frac{1}{4}$ of an acre. One grower writes that they produced ripe melons in 65 days from the time of planting. Every one who has a place to grow melons should try this new, splendid variety. It has been grown to immense size, and even the largest specimens hold their good flavor. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 25c. lb. 85c.

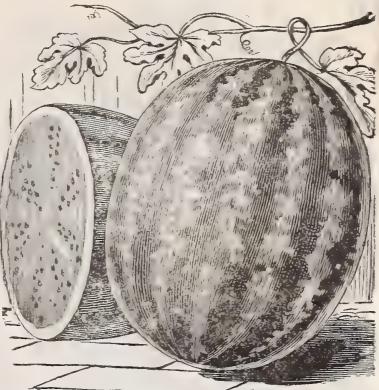
CITRON MELON.

Very nice for preserving and are largely used for this purpose.

APPLE PIE.—Best flavored of all. See novelties. Pkt. 10c.

COLORADO PRESERVING.—This is a large-fruited strain of Citron for preserving. Flesh clear white and very solid. Green seed. Pkt. 5c. oz. 15c. $\frac{1}{4}$ lb. 40c. lb. \$1.25.

RED SEEDED CITRON.—Round, dark green, striped and mottled with light green. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 30c. lb. \$1.00.



COLE'S EARLY.

GYPSY, or Georgia Rattlesnake.—A superior early market variety; large, oblong, skin green, mottled and striped. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 20c. lb. 60c.

DIXIE.—A cross between Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities and fully equaling the latter in fine eating quality. It is early, has a remarkably thin, tough rind and will keep and ship well. The flesh is bright scarlet and of fine quality. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 20c. lb. 60c.

KOLB'S GEM.—This variety, on account of its excellent shipping qualities, is extensively grown for that purpose. Grows nearly round, and the color is a dark green with lighter narrow stripes. Very thin and tough rind; flesh bright red and good flavor. Our seed is choice. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 20c. lb. 50c.

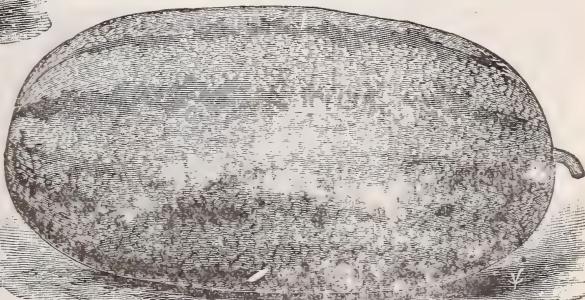
MOUNTAIN SWEET.—The old standard; which is still quite popular in the north where the large fruited southern varieties do not ripen. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 25c. lb. 70c.

MCIVER'S WONDERFUL SUGAR MELON.—This is becoming the most famous melon for sweetness and high quality. The fruits are long and of large size, averaging about 35 lbs. each. It is considered

one of the handsomest melons ever sent out, being rather light colored, irregularly striped and mottled with dark green. The rind is rather thin but tough, so that it is a good shipper. Flesh is delicate light red, entirely stringless and the most tender, juicy and luscious that can be imagined. The vine is a strong, vigorous grower, very prolific and withstands the extremes of weather, either wet or dry. Enthusiastic melon growers unite in pronouncing this the finest quality of any melon grown. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 25c. lb. 75c.

SWEETHEART.—Early, large, handsome, heavy, good shipper, long keeper, bright color and of good quality. Its vines are vigorous and productive, ripening the fruit early. The fruit is large, oval, very heavy, uniform, mottled light green and dark green; rind thin but firm. The flesh is bright red, firm, solid but very tender, melting and sweet. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 20c. lb. 80c.

MIXED.—35 varieties of the finest watermelons, the largest, earliest, sweetest; grown separately and seed carefully mixed by us. Pkt. 5c. oz. 10c. $\frac{1}{4}$ lb. 25c. lb. 75c.



MCIVER'S WONDERFUL SUGAR MELON.



Good onion seed is of the utmost importance as they are one of the most important crops grown, both in market and family gardens and there is no other vegetable where the quality of the seed exerts a greater influence upon the crop than onions. There is more money in onions grown from seed than almost any other crop. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, selected bulbs, critically examined before being set out for seed. In vitality it is very strong, being carefully tested, and we are sure that **OUR ONION'S SEED CANNOT BE EXCELLED** in purity, vitality or high quality. Large onions can easily be grown the first year from the seed by obtaining our American grown onion seed. The crop was short this year and prices may advance. In comparing our prices with others, remember that we **pay the postage**. Deduct ten cents per pound if to be sent by express. Ask for prices in large lots,

IMPROVED GIBRALTER.—Best of all large onions. See description on page 101. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

EXTRA EARLY RED.—Matures very early. Of medium size, flat shape, deep red in color; very close grained, solid and heavy. This will often form bulbs in cold and mucky soils where other varieties fail. It is recommended particularly for the north and northwest where the seasons are short and cool. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 80c, lb. \$2.00.

LARGE RED WETHERSFIELD.—The standard sort throughout the west, as they are the most hardy, and immense crops can be raised when more tender sorts are not profitable. Growers who prefer the red varieties will find this magnificent strain far surpassing the ordinary Red Wethersfield in size, productiveness and keeping qualities. Of finest form, skin deep purplish red, flesh purplish white, fine grained, than many of the red sorts. Our seed of this variety is extra select and cannot be excelled. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.85.

EXTRA EARLY BARLETTA.—This is a distinct new variety; the very earliest onion in cultivation. It is fully two weeks earlier than the Early White Queen, which heretofore has been the earliest variety on the market. They are of pure paper white color, very mild and delicate in flavor, $\frac{1}{4}$ inches in diameter, and $\frac{3}{4}$ of an inch in thickness. For table use and pickling it is most valuable. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

ALLIED VEGETABLES.

If you like the onion flavor why not try some of the other vegetables of the same class; for some purposes they are superior. Notice Chives and Garlic on page 23 and Leek on page 11.

CULTURE.—One ounce will sow about 100 feet of drill; 4 pounds will sow one acre. The soil for onions should be a rich loam thoroughly enriched with well-rotted manure and pulverized before sowing the seed. It should be as free from weeds and grass as possible. As early as the ground can be worked in the spring, sow the seed in drills $\frac{1}{4}$ inches apart, covering one-half inch. Commence hoeing as soon as the rows can be seen; skim the ground over the surface; avoid stirring deeply, and work the soil away from the bulbs. At second hoeing weed carefully and thoroughly by hand. For pickles or sets the seed should be sown very thickly and in broad drills, about fifty pounds to the acre to sets, and 15 to 20 lbs. for picking. For sowing onion seed and cultivating the crop, it will pay you to purchase a good drill and hand cultivator. Lang's Hand Weeder, price 30c, postpaid, is See description elsewhere. Lang's Hand Weeder, price 30c, postpaid, is the best hand weeder made. Try it. New Onion Culture Book. 50c.

GOLDEN GLOBE.—See Novelties. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

WHITE WINTER.—See Novelties. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.25.

LARGE WHITE GLOBE.—The handsomest market variety in existence, making beautiful, clean, pure, silvery white bulbs of large, even size, globe-shape, mild and pleasant flavor, and outsells every other variety. It is comparatively a good keeper and undoubtedly the best white sort. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.20, lb. \$4.00.

WHITE PORTUGAL or SILVER SKIN.—The standard white variety for general culture. The bulbs grow to good size, ripening early and quite evenly. It is a good keeper. The flesh is very mild and sweet, the thin skin a clear, silvery white, of very handsome appearance. The best onion for pickling. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c, lb. \$2.75.

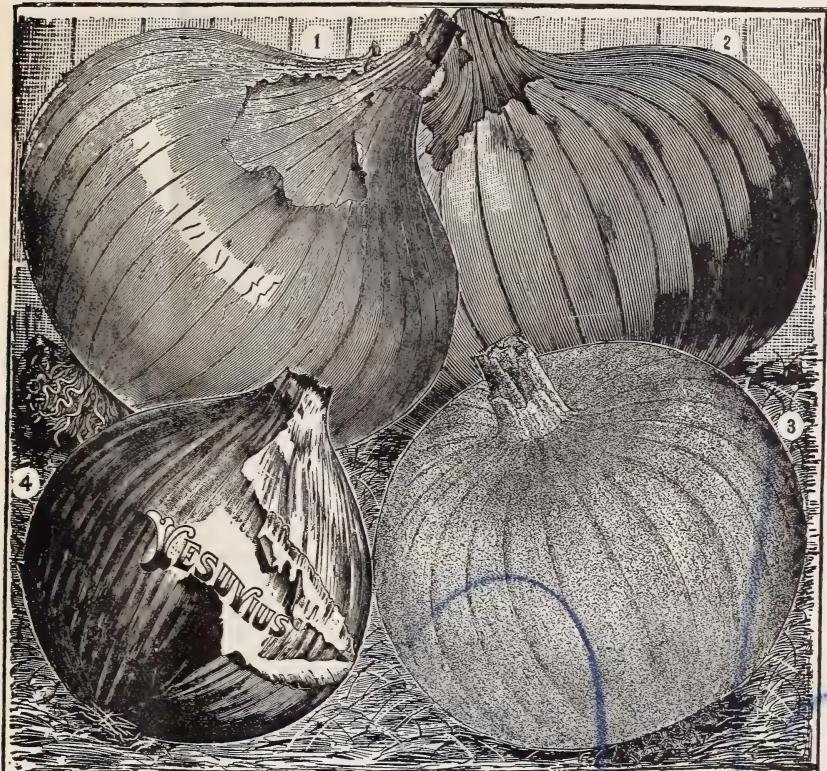
WHITE BERMUDA.—A favorite in the south. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c, lb. \$2.75.

AUSTRALIAN BROWN.—A new medium sized, wonderful hard and solid variety of onion, and one which is quite attractive for the market, both in form and color. They are extremely early in ripening, and produce a crop of fine bulbs which are very uniform in size. Color is a peculiarly clear amber brown, quite distinct from any other variety. In keeping qualities it exceeds any other variety that we know of. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.85.

SPECIAL PRICES.

As prices named above are subject to change, we request persons desiring to purchase a large quantity to write for special quotations.





MAMMOTH SILVER KING—(No. 3)—This giant sort is the largest of all white onions, no other white variety approaching its mammoth size. It is of attractive form, flattish, but thick through as shown in the illustration. Single bulbs often attain weights of from $2\frac{1}{2}$ to 4 lbs. each. The skin is a beautiful silvery white; the flesh a snowy white; so sweet and tender is the flesh that it can be eaten raw like an apple. Matures early and is of uniformly large size and perfect shape and consequently will bring a high price in the market. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.25.

MAMMOTH WHITE PRIZE WINNER—In magnificence of shape and enormous size the White Prize Winner is the exact counterpart of the Mammoth Yellow Prizetaker, which has become so popular in the last few years, differing only in its handsome, silvery white skin. Hundreds of market gardeners and onion growers have tried it, and say that no other white onion equals it. One enthusiastic grower says: "I raised a White Prize Winner measuring 17 inches in circumference and weighing four pounds which astonished my neighbors and took first prize at our county fair." Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

possible appearance in market, while the pure, white flesh is fine grained, mild and delicate in flavor. To grow the largest size, sow seed early in hotbeds and transplant to open ground as soon as weather is favorable. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

COPPER KING or MAMMOTH POMPEII.—(No. 2)—Have been grown to the enormous weight of five pounds and six ounces, and notwithstanding their large size they retain their shape and fine quality. To obtain an idea how large this really is, just weigh the largest onion you can obtain and compare weights, or weigh out five pounds and six ounces of common onions and imagine them all in one. Copper color, flesh pure white, fine grained and mild. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.25.

GIANT VESUVIUS.—(No. 4)—This grand new mammoth variety is a foreign sort. It is well shown by our illustration. In rich soil, under good cultivation, they grow to an immense size the first year. They are of a handsome, globe shape, somewhat elongated, veritable beauties, and will attract attention anywhere. Color almost blood red, flesh nearly white, quality most excellent; much more tender and mild than the American sorts. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$3.00.

POTATO ONION SETS

Indispensable for early onions for bunching as in a very few weeks they are ready for the table. While it is cheaper to grow onions from seed, still it is considerable work to keep them weeded, and many of our customers who have only a small garden, prefer to grow and very nice. Price by pt. and qt. includes postage; (deduct 10c per qt. if by express.) Price by the pk. or bu. is subject to market variation, and shipped at buyer's expense. Top sets are sold at 30 lbs. per bu. Other kinds 32 lbs. per bu., or stroke measure on all small lots. If you want a large lot write for prices.

WHITE BOTTOM SETS.—White onion sets grown from seed are the best for early use and large onions. Pt. 20c, qt. 30c, post paid; not prepaid, pk. 90c, bu. \$3.25.

POTATO ONION SETS.—Early, matures quickly; mild flavor. Pt. 20c qt. 35c; not prepaid, pk. \$1.10, bu. \$3.75.

RED TOP SETS.—Still largely called for in some sections. Pt. 20c, qt. 30c, not prepaid, pk. \$1.00, bu. \$3.50.

PERENNIAL or WINTER SETS.—Also called Egyptian or Tree onions. Usually set in the fall; produce the earliest spring onions with out winter protection. Pt. 20c, qt. 25c; not prepaid, pk. 75c, bu. \$2.50.



YELLOW BOTTOM SETS.—Like the White, except color. More used than any other kind. Pt. 15c, qt. 30c; not prepaid, pk. 90c, bu. \$3.00.

RED BOTTOM SETS.—Like above, except that they are of dark red color. Very hardy. Pt. 15c, qt. 30c; not prepaid, pk. 90c, bu. \$3.00.

WHITE MULTIPLIER ONION SETS.—Pure silvery white; frequently producing as many as twenty bulbs in a single cluster; excellent quality; very early. Pt. 20c, qt. 40c; not prepaid, pk. \$1.35, bu. \$4.50.

Big Onions.

For table use large onions are much preferable to small ones and they will also bring a better price on the market. The five varieties listed on this page are of immense size, splendid quality and yield wonderfully large crops. While they do not keep quite as well as some other kinds, still they are usually good till Jan. or Feb.

THE Five Giants.

One Packet Each of
Mammoth Prizetaker
White Prizewinner
Copper King
Giant Vesuvius and
Silver King.

FOR ONLY 25 CENTS.

With each of these "Five Giant" collections we will send a circular giving full directions for "Growing Big Onions."

MAMMOTH PRIZETAKER.—(See cut No. 1.)—This is without doubt the largest, handsomest, finest flavored, and in every way the best variety of yellow onion in the world. It is admittedly the largest of all varieties, having been grown to the enormous weight of over six pounds, and it is withal a handsome, fine-flavored sort. Of a clear, bright straw color, and uniform, round globe shape. Produces enormous crops, one report by over 1,000 bushels per acre, and they bring an extra price, being sold on the market as fancy onions. Keeps wonderfully well. Our seed is unexcelled, and is in great favor with our customers in all parts of the United States. They ripen up hard and firm, and present the handsomest

the pure, white flesh is fine grained, mild and delicate in flavor. To grow the largest size, sow seed early in hotbeds and transplant to open ground as soon as weather is favorable. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Onion Sets.

PEAS.



*** AMERICAN WONDER.**—The most popular extra early variety for the family garden. Being very sweet it cannot be planted quite as early as smooth sorts as it will not stand as much cold, wet weather but it is far superior to the extra early, smooth sorts in flavor and table qualities. Of dwarf and robust habit, growing about 10 inches high, it produces a profusion of good-sized, well-filled pods fairly packed with the finest flavored peas. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c. By express, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

ALASKA.—Height 2 feet, pods rather small, dark green color, well filled; the earliest pea known, being two days earlier than the First and Best, and ninety per cent of the pods can be gathered at the first picking. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c. By express, $\frac{1}{2}$ pk. 85c, pk. \$1.50.

FIRST AND BEST.—A standard first early variety popular with gardeners in all parts of the country. The crop is short this year. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c. By express, $\frac{1}{2}$ pk. 60c, pk. \$1.00.



***ABUNDANCE.**—A standard medium early sort. By express, $\frac{1}{2}$ pk. 85c, pk. \$1.50.

***NOTT'S EXCELSIOR.**—A superb new variety, and we are sure our customers will welcome it as an ideal family garden pea. It is fully as sweet and delicious as the American Wonder and grows one-half taller. Pods are larger and it is far more productive than the Premium Gem, and it is within a day or two as early as the first early smooth peas. Mr. Geo. Buchanan writes: *I found these peas a very distinct, pure sort, with many marked excellencies over the American Wonder, Premium Gem, Advance, Etc. The peas were ready for table use within forty-three days from planting.* Quality very superior. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c. By express, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.



One qt. will plant about 100 feet of drill; 2 to 3 bushels per acre.

Peas mature quickest in light, dry soil, not too rich. May be sown as early as the ground can be worked, and for a succession every two weeks up to July, or what is better, select several kinds which will form a succession in maturing. Sow in drills 2 to 4 feet apart, according to varieties, 1 to 4 inches deep for general crop, although the first earliest will come to maturity soon if once covered 1½ inches. Wrinkled sorts are marked. They should be sown thin in the row because they are more liable to rot if the ground is wet.

Prices include postage. Pints on one-half the quart rates. 15c per dozen discount is sent by exp. Pkts. contain about 2 ounces.

IOWA CHALLENGE.—An extra early variety of superior merit which is a favorite with Des Moines market gardeners. We can in confidence say that after a trial of many all extra early varieties offered to the trade we have not found one possessing more merit, hence its name. For the market gardener it has no superior. It is not only extra early and prolific, but it is of good flavor. All the good qualities of the Extra Early are most nearly brought to perfection in the Challenge. Height 18 inches. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c. By exp. $\frac{1}{2}$ pk. 90c, pk. \$1.50.

***PREMIUM GEM.**—Height 1 foot; early and prolific; a type of and an improvement on the McLean's Little Gem. Pods long and of dark green color. The most popular sort for family use. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c; by express, $\frac{1}{2}$ pk. 90c, pk. \$1.50.

GRADUS, or Prosperity.—One of the finest peas for family use. This remarkable pea is not only large and of the best quality but it is nearly or quite as early as the small round, extra early sorts. **GRADUS** is a wrinkled pea with vine growing about 30 inches high. The pods are of a bright green color and measure 4 inches or more in length as large as Telephone, and equally well filled with luscious Peas—8 to

10 or more in a pod. The peas are of the highest table quality and retain in a remarkable manner their color and attractive appearance after cooking. It is a grand pea in all respects. Pkt. 10c, $\frac{1}{2}$ pt. 20c, qt. 55c. By express, $\frac{1}{2}$ pk. \$1.50, pk. \$2.50.

***DWARF CHAMPION.**—This extra choice new variety is a great improvement on the old Champion of England, which has been one of the sweetest, best, and most popular varieties for the last thirty years. The old variety is very tall (6 ft.), while this new sort grows only 2½ ft., and still the vines are vigorous, with a great profusion of very large pods, filled with large sized peas of superior quality and very sweet. It is medium late and suited to main crop. Every one who wants extra choice peas for family use should plant a few of these. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c. By express $\frac{1}{2}$ pk. 90c, pk. \$1.50.

***TELEPHONE.**—Immensely productive, of the finest quality and excellent sugary flavor; vines very strong. The pods are of large size, with six or seven large delicious peas; height 4 feet. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c. Etc. By express, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

***EVERBEARING.**—Height 2 feet; late to very late; hardy, vigorous, enormous cropper, pods and peas of large size and good quality. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c. By express, $\frac{1}{2}$ pk. 75c, qt. \$1.25.

Large and productive. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c. By express, $\frac{1}{2}$ pk. 90c, qt. 1.50.

***IMPROVED STRATEGEM.**—Late variety for family or market use. Half dwarf, vigorous, branching habit, and under favorable conditions an enormous cropper. Pods long and filled with seven to nine large peas of extra fine quality. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c. By express, $\frac{1}{2}$ pk. \$1.20, pk. \$2.00.

MAMMOTH LUSCIOUS SUGAR.—This new sugar pea bears pods much larger than any other variety, often six or seven inches long and an inch and one-half broad. They should not be shelled, but the peas and pods eaten together, as they contain so much sugar, starch and gluten, are very nutritious for family use. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c. By express, $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

***CHAMPION OF ENGLAND.**—One of the richest, best flavored peas grown. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 35c. By express $\frac{1}{2}$ pk. 60c, pk. \$1.00.

DWARF WHITE MARROW.—An improvement on the old Large White Marrowfat. Pkt. 5c, $\frac{1}{2}$ pt. 10c, qt. 35c. By express, $\frac{1}{2}$ pk. 55c, pk. 90c.

FIELD PEAS.—See list of Miscellaneous Field Seeds.



IOWA CHALLENGE.

PEPPER.

One ounce will produce about 1,800 plants.

Sow seed in hot bed early in spring; transplant to open ground when the weather is favorable, in warm, mellow soil, in rows 18 inches apart. Seeds germinate slowly and require considerable heat.

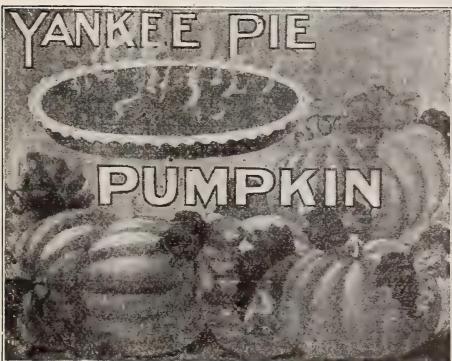
CORAL GEM BOUQUET.—(Cut No. 1)—This new red hot pepper is the finest of the smallest sized varieties. Excellent for pepper sauce. Pkt. 10c, oz. 50c.



COLLECTION OF PEPPERS.

RUBY KING.—(Cut No. 2)—Very large size, 4 1/2 to 6 inches long, by 3 1/2 to 4 inches thick. When ripe they are of a beautiful bright ruby red color and are always remarkably mild and pleasant to the taste. Produces large handsome fruit. Pkt. 5c, oz. 20c, 1/4 lb. 65c.

PUMPKIN



grow the King of Mammoths and exhibit them at your county fairs. Pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.50.

MAMMOTH TOURS.—Also called Mammoth Whale. Grows to an immense size, sometimes 3 ft. in length and to a weight of 100 to 200 pounds. Flesh of a salmon color. Seed of a peculiar shape. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. \$1.00.

BIG TOM.—A greatly improved strain of the Yankee or Connecticut Field Pumpkin which has been selected for many years to secure the most uniform type. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 50c.

JAPANESE PIE.—This is similar in size and form to the well known Cusshaw, but the skin is deep green, with darker stripes, turning to yellow as fruit ripens; earlier than any other pumpkin. Seeds marked with curious indentations. Flesh very thick, a rich salmon color, dry and sweet, making rich pies without eggs. Pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.50.

MAMMOTH ETAMPES.—A giant variety from France. Bright red color. Pkt. 5c, oz. 15c, 1/4 lb. 45c, lb. \$1.50.

WHITE CUSHAW, or Johnathan.—Attractive and sells better than the old green striped sort. A large bottle-shaped variety. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 65c.

LARGE CHEESE, or Improved Kentucky Field.—Large flat fruit; creamy buff skin. Thick flesh; usually called Sweet Pumpkin. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 65c.

GOLDEN RUSSET.—Extra choice sweet variety, also called Winter Luxury. Golden yellow, netted or russeted over surface; small to medium size. Unsurpassed as a pie pumpkin and a good seller on any market. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 80c.

CONNECTICUT FIELD.—The common field or cow pumpkin. If you have any live stock to feed it will pay you to put in a few acres of these. Per oz. 5c, 1/4 lb. 15c, lb. by mail 40c. By express or freight, 10 lbs. \$2.50, bushel of 25 lbs. \$5.00.

CHINESE GIANT.—(Cut No. 3)—Most gigantic of all Giant Peppers. A fine mild Red Pepper of enormous size, magnificent appearance and brilliant, glossy scarlet color. The flesh is mild and unusually thick. Makes an excellent salad sliced and served like tomatoes. Pkt. 10c, oz. 40c.

KALEIDESCOPE.—(Cut No. 4)—A very ornamental new variety. The small fruit changes from cream color to canary, deepens to orange, then turns into pink until it becomes a deep, shining scarlet. Pkt. 10c, oz. 35c.

JAPANESE FANCY.—(Cut No. 5)—A very ornamental variety bearing little heart-shaped fruits of various colors, purple, white, yellow, orange and red, all on the same bush. Pkt. 10c.

LARGE BELL, or Bull Nose.—(Cut No. 6)—An early standard sort. Pkt. 5c, oz. 15c, 1/4 lb. 50c.

RED CHILLI.—(Cut No. 7)—Small, long fruit, but very hot. Used for pepper sauce. Pkt. 5c, oz. 20c, 1/4 lb. 60c.

MAMMOTH GOLDEN QUEEN.—(Cut No. 8)—Average a third larger than Ruby King. 8 to 10 inches long; bright, waxy, golden yellow and mild flavor. Pkt. 5c, oz. 25c, 1/4 lb. 80c.

SWEET MOUNTAIN, or Mammoth.—Similar to the above, but milder. Pkt. 5c, oz. 20c, 1/4 lb. 65c.

RED CAYENNE.—Pkt. 5c, oz. 25c, 1/4 lb. 90c.

MIXED PEPPERS.—A choice mixture of all the above and several other fancy varieties. Fine for exhibition. Pkt. 10c, oz. 35c.

PARSNIPS.

One ounce will sow 200 feet of drill. 5 lbs. will sow an acre in drills.

Sow early in spring in good rich soil, which has been plowed deep, in drills 15 inches apart, covering half an inch. Thin to 5 or 6 inches apart in rows. They are improved by frost.

IMPROVED TABLE GUERNSEY.—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. The roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. A very heavy cropper; the roots are smooth, with a deep hollow crown and a small top.

The flesh is fine grained, sweet and of excellent quality; cooks evenly, center being as fine, soft, even quality as outside portions. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 30c.

One ounce will plant 25 hills:
4 pounds will plant one acre.

The best, most enterprising and most prosperous farmers put in a crop of pumpkins every year. They can be grown separately, or with a corn or potato crop, and do not seem to interfere in the least. They are valuable for feeding to stock, and what is a fair without pumpkins, or a Thanksgiving dinner without pumpkin pie. Planted with corn, two pounds will plant one acre.

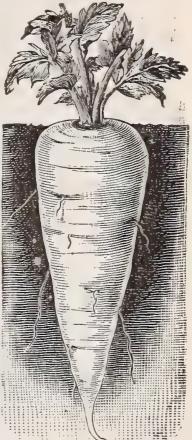
NEW ATLAS.—See Novelties. Pkt. 10c.

YANKEE PIE.—This is the noted New England Pie or Small Sugar Pumpkin. Same shape and color as the Connecticut Field but smaller, very sweet, fine grained and one of the best varieties for table use. Pleases everyone for making pies. Early. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c.

CALHOUN, or THANKSGIVING PIE.—A great improvement on the Large Cheese. Color creamy brown, flesh deep salmon yellow, fine grained; seed cavity is very small. Rind thin. When cooked it is very yellow and makes pies of a rich color, sweet and of the finest quality. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c.

KING OF MAMMOTHS.—The largest variety of true pumpkins. The flesh and skin are of a bright golden yellow, fine grained and of good quality. We know of one specimen that reached the enormous weight of 245 pounds. One customer writes us that he grew one that weighed 1:8 pounds, and on the same vine had five other pumpkins from 90 to 104 pounds each in weight, over 640 pounds grown from one seed. Farmers and gardeners just think of that kind of a crop! Will it not pay to plant?

Our seed is from select



GUERNSEY PARSNIP.



KING OF MAMMOTHS PUMPKIN.

RADISH.

*One ounce will sow one hundred feet of drill.
Eight to ten pounds will sow one acre in drills.*

Radish seed should be sown in light, rich soil as early as the ground can be worked, and for a succession, at intervals of two weeks, until midsummer. Radishes must be grown quickly and have plenty of room or they will invariably be tough and pithy. Sow in drills one foot apart and thin to two or three inches apart as soon as the rough leaves appear. Most of our radish seed was grown for us in France, "the natural home of radishes," and we think it cannot be surpassed.

VIOLET QUEEN.—A choice new sort. See Novelties. Pkt. 15c.

IOWA SEED CO.'S EARLY BIRD.—Of small size, but most decidedly the earliest of all. Described with Novelties. Pkt. 10c, oz. 20c.

GRAY LARK.—See *Novelty List for description Pkt. 10c, oz. 25c.

EARLY SCARLET GLOBE.—The most popular variety for hotbeds and forcing, as it is the earliest of all. Of handsome color: crisp, juicy and tender. It forms small top and will stand a great amount of heat without becoming pithy. Its fine shape, well illustrated by the accompanying engraving, makes it sell for a higher price and more readily than any other sort. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 70c.

CRIMSON GIANT FORCING.—The most profitable variety for market gardeners, and may well be considered the most valuable new variety which has been sent out for many years past. It is a rapid growing sort, developing roots of beautiful deep crimson color, perfect shape and more than double the size of any other forcing variety. The old standard sorts, such as Rosy Gem and Scarlet Globe, usually measure from two to three inches in circumference at time of marketing, while the Crimson Giant forms roots six to seven inches in circumference without getting pithy or hollow, and they retain their firmness and tenderness of flesh. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. 90c.

MODEL WHITE BOX.—Of most handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds or boxes and one-third more radishes can be grown in the same space than with most other sorts. Of clear white color, solid, juicy and unsurpassed in flavor. Pkt. 5c, oz. 10c, 1/4 lb. 25c.

EARLY LONG SCARLET, Short Top.—An old standard variety; quick growth, long slender root. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 50c.

IMPROVED CHARTIER.—Roots are long and cylindrical, scarlet rose above, shading to pure waxy white at the tip. Flesh white, crisp and mild flavored. Stands hot weather well. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 50c.

ROSY GEM.—A handsome globe shaped variety of rosie scarlet, shading to white at tip. Quite similar to the Scarlet Gem except of lighter color. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 60c.

EARLY SCARLET TURNIP.—A small, round, red, turnip-shaped radish, of quick growth. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 50c.

EARLY SCARLET GEM.—An extremely early variety which has matured fit for the table in seventeen to twenty days from the time of sowing the seed and is fully grown in less than four weeks. It is of a perfect globe shape, and of a bright rich scarlet color, tipped with white, thus making it particularly handsome on the table. The Scarlet Gem has very few leaves, therefore is an excellent variety for forcing, and gardeners will find it an "A No. 1" seller on the market. In quality it stands unsurpassed—tender, crisp and appetizing. Pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. \$1.25.

FRENCH BREAKFAST.—Of a medium size, olive shaped, with small top, of quick growth; beautiful scarlet color shading to white. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 60c.

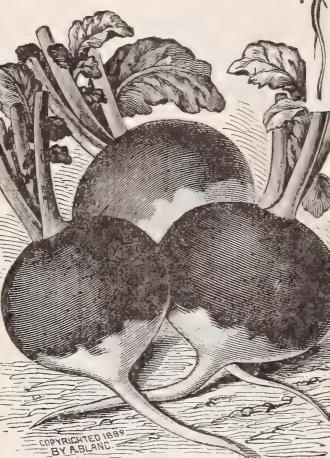
GOLDEN DRESDEN.—A little beauty, with golden brown skin, white flesh, crisp, juicy and of finest flavor. One of the quickest growing sorts, tops small, admitting of close planting. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. 90c.

WOOD'S EARLY FRAME.—Smaller and considerably earlier than Long Scarlet, which it very much resembles. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 50c.

CINCINNATI MARKET.—An excellent long radish of glossy brilliant scarlet color, having small top. The best long red radish for forcing. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c.



STRIPED TRIUMPH RADISH



SCARLET GEM RADISH.



EARLY SCARLET GLOBE.

WHITE LADY FINGER.—Large, white, crisp variety, about as long as Long Scarlet, similar shape. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 60c.

WHITE STRASBURG.—Of a handsome oblong, tapering shape, both skin and flesh are pure white. The flesh is firm, brittle and tender and retains its crispness even if old and large. Excellent for summer use. Pkt. 5c, oz. 10c, 1/4 lb. 10c, lb. 60c.

ICICLE.—A splendid long variety of almost transparent whiteness. Produces nice roots in 22 days from date of sowing and it continues in prime condition for a long period, so that in one sowing of seed nice, crisp radishes may be had from spring until midsummer. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c.

ALL SEASONS, or Celestial.—A summer and fall sort, keeping quite well also for winter use. Large ivory white roots of fine quality. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 60c.



ICICLE RADISH.

SALSIFY

Or Vegetable Oyster

One ounce will sow 50 feet of drill,
8 pounds to the acre.

Why don't you grow salsify? We are certain if you grow it one year you would never be without it. It is one of the most delicious and nutritious of vegetables, and should be more generally cultivated for use in winter, when the supply of really good vegetables is so limited. It has the true oyster flavor, and makes a delicious and inexpensive substitute for them in soup, etc. Cultivate like parsnips.

MAMMOTH SANDWICH LAND—Average fully double the size of the old Long White. Roots are white, smooth and, notwithstanding their enormous size, are of superior quality. Pkt. 5c, oz. 15c, 24 lb. 50c, lb. \$1.50

WISCONSIN GOLDEN—A distinct and valuable new sort. The roots are large, smooth and have a decided yellow cast which gives it its name. They cut smooth and even throughout, unusually brittle and never stringy. When prepared for the table they are very rich, tender and delicious in flavor. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 25c, lb. \$2.00.



WISCONSIN GOLDEN SALSIFY.

SPINACH.

One ounce will sow about 80 feet of drill: 10 pounds to the acre.

The finest "greens" of any plant in cultivation. For summer sow early in spring in deep, rich soil, in drills one foot apart; cover one inch; sow at intervals of two weeks throughout the season. For very early spring use sow the first of September; protect by covering with straw.

VICTORIA—This new variety is distinguished by its exceedingly dark black-green color, and also for its very long standing qualities, being from two to three weeks later than the ordinary varieties. The leaves are thick and spread out flat upon the ground. It is excellent for spring sowing, but not sufficiently hardy to withstand the winter in this locality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express, 5 lbs. or more at 25c.

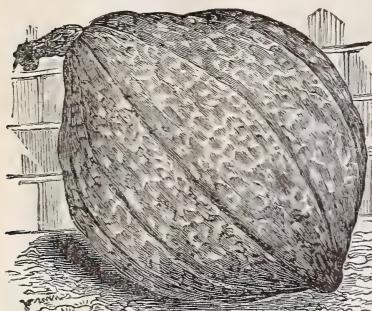
LONG STANDING—Standard with gardeners; leaves thick, fleshy and crumpled, round, large and of a dark green color; slow to run to seed. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express, 5 lbs. or more at 20c.

BLOOMSDALE—A Savoy-leaved curled variety; very highly valued, especially in the South. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c.

NEW ZEALAND—Very useful to supply the place of the ordinary spinach during the hottest months of the year, or in dry, arid localities. A few plants will supply a family with this delicious vegetable from July to October. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 1.00.



VICTORIA SPINACH.



EARLY PROLIFIC MARROW.

SQUASH.

Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in the hill. The soil cannot be too rich. Use Slug Shot to kill the bugs.

NAPLES GIANT—Described and illustrated with Novelties. Pkt. 10c, oz. 30c.

GOLDEN BUSH—An improvement on the old Yellow Bush Scallop or Patty Pan. The earliest of all and quite a favorite with all who like summer squash. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

WHITE BUSH SCALLOPED—Similar to the Golden Bush. Color creamy white; an excellent variety for the family garden for early use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY BUSH CROOKNECK—Splendid sort, early, productive, very fine quality. With all the new varieties recently brought out, many claim that there is no summer squash superior to this. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

One ounce early varieties will plant about forty hills; one ounce late varieties will plant about twenty hills; 3 to 4 pounds to the acre.

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one ounce late varieties will plant about twenty hills;

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One ounce early varieties will plant about forty hills;

one ounce late

TOMATO.

One ounce will produce about 2,500 plants.

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to four or five inches apart. Give plenty of air and endeavor to secure a vigorous growth. When all danger of frost is past transplant to the open ground, four to six feet apart each way. Well manured, light, sandy soil is best, but it must be remembered that a surplus of manure stimulates leaf growth to the detriment of the fruit. Through long years of selection we have now a stock of tomato seed which is far superior to that of most other dealers. Our packets contain from 500 to 1,000 seeds.

JUNE PINK.—The earliest and best early. See Novelties. Pkt. 10c. oz. 75c.

MAJESTIC.—The largest and best of all. See description with Novelties. Pkt. 10c.

JAPANESE CLIMBING.—Extra choice for the home garden. See Novelties. Pkt. 15c.

SPARKS' EARLIANA.—Probably no early tomato introduced in many years has attracted so much attention and has so large a sale as Sparks' Earliana. It is not only extremely early, but is remarkable for its large size, handsome shape, and beautiful bright red color. Its solidity and fine qualities are fully equal to many of the best late sorts. Extra early tomatoes are one of the most profitable crops for the market gardener, as well as specially desirable in the home garden. You will make no mistake in planting the Earliana. Pkt. 10c. oz. 30c. $\frac{1}{4}$ lb. \$1.00. lb. \$3.25.

BOND'S EARLY MINNESOTA.—Before the introduction of Sparks' Earliana this was considered the earliest of all. Vines vigorous and when quite small begin producing fruits which are of fair size, of good shape, smooth, dark red color. Pkt. 5c. oz. 25c. $\frac{1}{4}$ lb. 75c. $\frac{1}{4}$ lb. \$2.25.

MATCHLESS.—Well worthy of its name, for in beauty, color and symmetry of form it is indeed without a peer. The vines are of strong, vigorous growth, well set with fruit, which is entirely free from core of the finest flavor very rich cardinal red color, and not liable to crack from wet weather; of large size, and the size of the fruit is maintained throughout the season. Solid, of fine quality and keeps well. Pkt. 5c. oz. 25c. $\frac{1}{4}$ lb. 75c. lb. \$2.50.

LIVINGSTON'S BEAUTY.—Originated with the late Mr. A. W. Livingston, of Franklin Co., Ohio, and is one of the best ever introduced. Its size, beauty, shape, color, flavor, durability and productiveness make it desirable to growers. Pkt. 5c. oz. 20c. $\frac{1}{4}$ lb. 60c. lb. \$2.00.

FAVORITE.—Bears clusters of three to seven tomatoes of a rich, dark red color, very smooth, flesh firm. A nice canning variety. Pkt. 5c. oz. 15c. $\frac{1}{4}$ lb. 50c. lb. \$1.75.

ACME.—Valuable for early market; medium size, color a glossy red with purplish tinge. Pkt. 5c. oz. 15c. $\frac{1}{4}$ lb. 50c. lb. \$1.75.

PERFECTION.—Large, round, smooth, handsome red fruit of the highest quality. It proves very satisfactory for forcing under glass. Pkt. 5c. oz. 15c. $\frac{1}{4}$ lb. 50c. lb. \$1.75.

IOWA BEAUTY.—An improvement on Livingston's Beauty, being of larger size, more solid and uniform in quality. Pkt. 5c. oz. 25c. $\frac{1}{4}$ lb. 75c. lb. \$2.50.

DWARF CHAMPION.—Its habit of growth is peculiar, for not only is it dwarf and compact, but the stem being thick stiff and shore jointed, it's almost self-supporting when laden with fruit. It is early, of a purplish pink color; smooth, symmetrical, solid, and of fine quality. The best variety to grow for plants for sale as they are so stocky. Pkt. 5c. oz. 25c. $\frac{1}{4}$ lb. 75c.

MATCHLESS TOMATO.

GOLDEN QUEEN.—Best of the large yellow tomatoes. Fruit smooth of finest flavor, ripens evenly; a handsome sort. Pkt. 5c. oz. 25c. $\frac{1}{4}$ lb. 85c.

GOLDEN NUGGET.—When at the Royal Agricultural Show in England, our attention was especially attracted by this grand new variety. The fruits are of the most beautiful golden yellow color, round as a ball and about as large as a walnut. Flavor is exceptionally fine, and it is a most desirable variety for eating from the hand or as a dessert fruit. They are a new sort, however, in England, and we were able to obtain only a small quantity of seed. We have grown them now both on our farm and at our trial grounds, and were more than pleased with the result. The plants were loaded down with one hundred and fifty to two hundred of the most beautiful rich golden yellow fruits that you can imagine and the flavor is delicious. Don't fail to try them this season if you want something extra fine. Pkt. 10c. oz. 60c.

CRIMSON CurrANT.—A most charming little fruit, hardly more than a half inch in diameter, of bright crimson color; borne in long clusters containing 20 to 60 tomatoes. Excellent for eating from the hand or preserved. Pkt. 10c. oz. 60c.

BURBANK'S PRESERVING.—The plants are of dwarf stocky growth, with dark green potato-leaf foliage. The small round scarlet tomatoes, borne in clusters, measure only three-quarters of an inch in diameter; of an unusually rich sweet flavor. Pkt. 10c.

YELLOWPEAR.—A favorite with all who know them. Fruit is pear-shaped and of a deep yellow color. Highly valued as a table delicacy raw, also for preserving or to make "tomato figs," also excellent pickled. Pkt. 5c. oz. 30c. $\frac{1}{4}$ lb. 90c.

MIXED TOMATOES.—For the benefit of some of our customers who would like to try all kinds, we have prepared this mixture of the varieties named above. Pkt. 5c. oz. 25c. $\frac{1}{4}$ lb. 75c.

STRAWBERRY, OR HUSK TOMATO.—Also called Ground Berry. Plants of spreading habit and immensely productive. Pkt. 5c. oz. 40c.



SPARKS EARLIANA.

STONE.—One of the best of all the standard sorts. The color is a desirably bright red. The fruit is of large size, perfectly smooth and of best table quality in every respect. It is a famous main crop tomato in many sections, both North and South, and is much used for canning. Productive and the fruit bears shipment well. Pkt. 5c. oz. 20c. $\frac{1}{4}$ lb. 60c. lb. \$1.75.

CRIMSON CUSHION.—Persons having only a small garden will appreciate this variety which can be grown on trellises and in this way three or four times as much fruit can be grown on the same space. It grows from 7 to 10 feet high if desired, but as most of the fruit is borne three or four feet from the ground, well out of the reach of the chickens it is just as well to trim off the tips. Fruit of fine quality, extremely large and excellent for slicing or canning. Pkt. 5c. oz. 30c. $\frac{1}{4}$ lb. \$1.00. lb. \$3.50.

IMPROVED TROPHY.—Our Improved Trophy is vigorous and productive; its large, solid, smooth, fine-flavored fruit will satisfy the most exacting. Also much liked for canning. Pkt. 5c. oz. 20c. $\frac{1}{4}$ lb. 65c. lb. \$2.

PONDEROSA.—Very large, inclined to be irregular in shape but of fine quality. Purple-red. Pkt. 5c. oz. 30c. $\frac{1}{4}$ lb. \$1.00.



IOWA BEAUTY TOMATO.



GOLDEN NUGGET TOMATO.

TURNIP.

For early, sow in April in drills half an inch deep and twelve inches apart; thin to six inches apart in the drill. For main crop sow broadcast in July and August, and just before a shower if possible.

EXTRA EARLY PURPLE TOP

MILAN—One of the earliest sorts in cultivation. The bulb is very flat, of medium size, quite smooth, with a bright purple top; leaves few, short, and of light color; growing very compact and making exceedingly small strap-leaved top. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

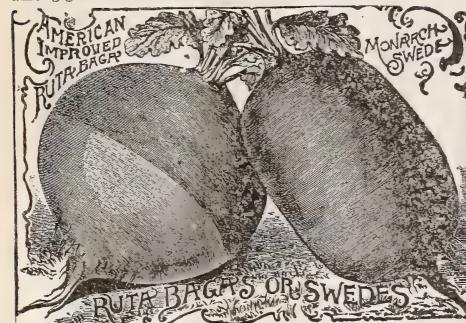
EARLY WHITE MILAN—Much like the above, but it is pure white all over, instead of having purple top. Quite popular with gardeners. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

EARLY SNOWBALL—A globe-shaped, white-skinned turnip which is exceedingly productive. Flesh is very fine grained, firm and of delicate flavor. It is one of the best keeping of the white fleshed sorts, very early and particularly adapted for family or market use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

WHITE EGG—A quick-growing, egg-shaped, perfectly smooth, pure white variety, with small top and rough leaves. The flesh is very sweet, firm and mild, never having any strong taste. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

GOLDEN BALL, or Orange Jelly—A beautiful bright yellow turnip of medium size and of universally sweet and delicious flavor. It is hardy and one of the best of keepers. Flesh extremely firm and solid. Brings a good price on the market. If you have never tried yellow turnips we advise you to plant some of the Golden Ball in your home garden this year. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

SCARLET KASHMIR—This new, extra early, bright scarlet turnip has a striking resemblance to a large radish. The flesh is white and crisp. Matures almost as quickly as the earliest radish, and when cooked is of unsurpassed quality. A good keeper and is entitled to a place among garden favorites. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



RHUBARB, or PIE PLANT.

One ounce will produce about 100 plants.

Succeeds best in deep, rich soil. Sow in spring in drills, cover one inch. Thin plants to six inches apart. Transplant in autumn or spring to permanent beds three feet apart each way.

IDEAL MAMMOTH—This new variety which is decidedly the finest and best of all, originated with Dr. Kennicott, of Illinois. The stalks are much larger than the Victoria or any other sort and are also produced in much greater abundance. Like all other highly improved sorts it seeds sparingly and comes more nearly true to name when grown from seed than most other sorts. Pkt. 10c, oz. 25c. Strong roots 25c. each, doz. \$2.00 postpaid.

H. A. Terry, of Crescent, Iowa, writes: "I pulled six stalks from one plant of the Ideal Rhubarb which weighed with the leaves cut off, 11 pounds."

VICTORIA—The old standard sort. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25. Strong roots 15c each, \$1.00 per dozen, postpaid.

PEANUTS.

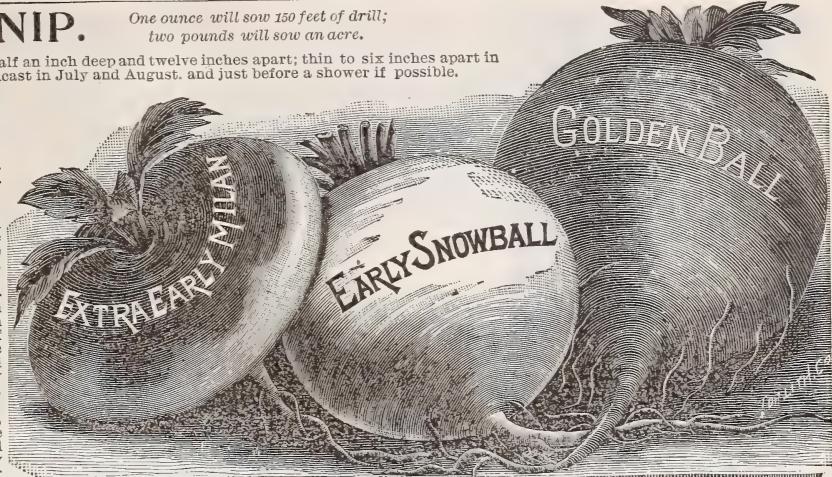
Peanuts can be grown in Iowa, and everyone should plant at least a few, for the children.

RED CROSS—This very desirable variety is early as the earliest, the most hardy, very prolific and of the best quality. Boys, here is a chance for you. Think of growing peanuts in your own garden and having plenty of them to eat. Shell the nuts carefully so as to not break the inside skin, and plant as soon as the ground becomes warm, from two to three feet apart each way, four or five to the hill, covering two inches. The soil should be deep, and mellow. They produce 25 to 70 bushels to the acre and are easily cultivated as corn. Price per large package 10c, lb. 40c post paid. By express 5 lbs. or more at 25c per lb.

SPANISH—A very early variety, but the pods are small. Per package 10c, lb. 50c.

ONE COW If you have even one cow, it will pay you to grow some **Ruta Bagas, Mangels, Carrots and Pumpkins**

One ounce will sow 150 feet of drill;
two pounds will sow an acre.



PURPLE TOP STRAP LEAVED—The standard for this part of the country for late planting, and we sell immense quantities of it every year. It is one of the best table and stock varieties on the market, being fine grained and of mild flavor. It is of good size, flat shape, pure white below with purplish red top. A good cropper and excellent keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c; 5 lbs. or more, not prepaid, at 30c.

PURPLE TOP GLOBE—Similar to the Purple Top Strap Leaved except shape. The largest yielder of any turnip on the list and always brings top of market price. Desirable for table use or for stock. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c; 5 lbs. or more, not prepaid, 35c per lb.

MIXED TURNIPS—All the table varieties of turnips mixed in equal proportions. Desirable for family use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

RUTA BAGA.

Largely grown in the northern states and Canada for stock feeding, and for this purpose they are superior to turnips. Sow not later than June in drills two feet apart and thin out to eight inches in the row.

MONARCH—This grand, new and distinct form of ruta baga is, we believe, by far the most productive of all. Of tankard shape, with very small neck, skin dark red above ground and yellow below, flesh rich yellow, fine grained and good quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c; 5 lbs. or more, not prepaid at 35c.

IMPROVED AMERICAN—Very solid, fine quality, good shape, smooth skin, small neck, keeps well. This is a choice strain of the very best quality for table use or stock feeding. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c; 5 lbs. or more, not prepaid at 30c.

WHITE SWEET GERMAN—Large size, oval form and very solid; flesh pure white and sweet. The best keeping variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c; 5 lbs. or more, not prepaid, at 35c.

CARTER'S IMPROVED HARDY SWEDE—Large size, excellent quality, and immense yielder. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c; 5 lbs. or more, not prepaid, at 25c.



RED CROSS PEANUTS.



GROUND CHERRY.

IMPROVED YELLOW.—Another year adds only to the popularity of this little fruit which we introduced, and it is now listed in the catalogs of the leading seedsmen of the country, to whom we supply seed. It is a great improvement on the Wild Ground Cherry. They grow well on almost any dry soil; are easier raised than the natural ground cherries, and oh what delicious fruit. For sauces, etc., they are excellent. They are delicious as preserves and when dried in sugar are much better than raisins for oaks and puddings, and they will keep in the shuck, if kept in a cool place, nearly all winter. No one, after raising them once, will ever make a garden again without devoting a portion to the Ground Cherry. Directions for preserving are sent with each packet. Pkt. 5c, $\frac{1}{2}$ oz. 25c, oz. 40c.

GIANT SCARLET.—Also called Chinese Lantern Plant. A very popular novelty and has proven quite satisfactory in some sections. Pkt. 10c.



VINE PEACH.

A splendid novelty introduced by us. The vine on which they are borne is somewhat similar to the muskmelon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and is of a bright orange yellow color, somewhat russetted. For sweet pickles, pies or preserving they are superb. Recipes for preparing for the table will be sent with each order. In the west or northwest, where fruit is scarce, they are becoming popular, as they are easily cultivated,

wonderfully prolific, and can be used in every way in which you would use a peach, except that they are not usually liked raw. Pkt. 5c, oz. 25c.

ORNAMENTAL POMEGRANATE.

An ornamental little fruit which a century ago was commonly grown in the garden, but is now rarely seen. Grows on a pretty vine; fruit is round, yellow, irregularly striped with orange, red or mahogany; fragrant, a single specimen will sweetly perfume a room many days. Pkt. 10c.

GOURDS.

Cultivate like cucumbers, or may be trained over lattice work, fences, etc.

JAPANESE NEST EGG.—Grows almost uniformly to the size, color and shape of a hen's egg. The shells are hard and make the very best of nest eggs, as they do not crack. The largest ones, when sawed in two, make excellent pots for starting tomato, strawberry and other plants. Pkt. 5c, oz. 20c.

DIPPER.—Makes a lighter and more convenient dipper than can be bought. Dippers of various sizes of a capacity of from a pint to a quart and a half can be had from a few vines. Pkt. 5c, oz. 15c.

SUGARTROUGH.—For buckets, etc. Pkt. 5c, oz. 15c.

LUFFA or Dish Cloth.—The peculiar lining of this fruit, which is sponge-like, porous, tough, elastic and durable, make a natural dish cloth or sponge. Start seed early. Pkt. 10c, oz. 35c.

HERCULES'S CLUB.—Grows to immense size 4 to 6 ft. long. Pkt. 5c, oz. 20c.

MIXED UTILITY.—Seeds of above mixed. Pkt. 5c, oz. 25c.

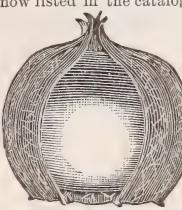
ORNAMENTAL MIXED.—A mixture of the odd shaped and fancy colored sorts. Pkt. 5c, oz. 30c.

GARDEN LEMON.

Introduced by us and has been highly praised. Fruit is of the shape shown in our engraving, is somewhat smaller than Vine Peach, which it resembles in growth, but has a thinner flesh, and is decidedly more acid, thus dispensing with the sliced lemons so important in putting up the Vine Peach. Directions for cooking go with each packet. Pkt. 5c, oz. 25c.

NASTURTIUM.

These furnish tender seed-pods which make delicious pickles. For this purpose we send the Tall or Climbing Mixture. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.



CURIOUS VEGETABLES.

ORNAMENTAL MICE.—This vegetable curiosity is a native of Central Africa, having a small, neat growing vine and bears numerous oval fruits, clear green in color, which are always completely covered with long, light green spines or hairs. Nice for pickling. Pkt. 10c.

CATERPILLARS.—Prostrate creeping plants with small yellow flowers, changing into "Vegetable Caterpillars." They are grown as curiosities and sometimes are put into salads and pickles. Pkt. 10c.

SNAILS.—Another singular variety having most oddly twisted seed pods resembling snails. Pkt. 10c.

COTTON.—Grown mainly as a curiosity in the north. Start the seed early in the house and transplant to the field as soon as warm weather arrives. It makes an ornamental plant in the flower bed and has showy, large flowers followed by the ball of pure white cotton which interests everyone. Pkt. 5c, oz. 15c.

ALPINE STRAWBERRIES.—Sown early, they will produce bearing plants the first year. They are grown in large quantities in Europe, where they are ever bearing, producing all summer. Pkt. 10c.

MARTYNIA.—Also called "Devil's Claw" and "Unicorn Plant." A large ornamental plant bearing beautiful flowers which are succeeded by large seed pods, which when young are fine for pickling. Pkt. 5c, oz. 30c.

MOUGRI.—Vegetable from the Island of Java. Pods resemble radish, some 2 to 3 ft. long; eaten raw or cooked. Taste like water cress. Pkt. 10c.

EGYPTIAN LENTILS.—Largely used in Oriental countries as a principal article of diet. It was from these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

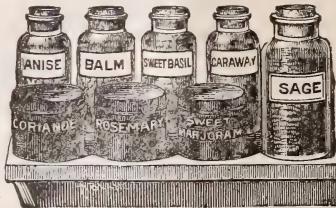
CHINESE TEA.—Many of our customers will be glad to grow this as a curiosity, if nothing else. The plant is of a shrubby nature, with beautiful shiny foliage and fragrant blooms; requires same treatment as any tender shrub. Can be kept growing in pots through winter. About 10,000 pounds of tea per year is grown by one man in South Carolina. Pkt. 10c.

GARDEN HUCKLEBERRY.—See Novelties. Pkt. 10c.

POHAI BERRY.—One of Luther Burbank's novelties which came originally from the Hawaiian Islands; but is sometimes called the "South African Cape Gooseberry." The showy plants somewhat resemble the Ground Cherry, but produce fruit about three times as large of pale yellow color and superior flavor. Yields abundantly. Pkt. 15c.

HERBS.

In making up your assortment of seeds for the year don't neglect to order a few varieties of herbs. The chief point is to harvest them properly, which should be done on a dry day when not quite in full bloom, dried quickly and packed closely and entirely excluded from the air. Those marked with an asterisk (*) are perennial.



ANISE.—Seeds have an agreeable, aromatic taste. Pkt. 5c, oz. 10c.

BALM.—For making balm tea. Pkt. 5c, oz. 25c.

BASIL, SWEET.—For flavoring soups, stews, etc. Pkt. 5c, oz. 15c.

BORAGE.—Leaves used for flavoring. Pkt. 5c, oz. 15c.

CARAWAY.—Seeds are used for flavoring bread, etc. Pkt. 5c, oz. 10c.

CATNIP or Catmint.—For seasoning. Pkt. 5c, oz. 30c.

CORIANDER.—Seeds used in confectionery. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

CASTOR OIL PLANT.—Seeds are pressed out to obtain oil. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

CHAMOMILE.—Largely used for medicinal purposes Pkt. 10c, oz. \$1.50.

DANDELION.—Grown for greens, also for medicine. Pkt. 5c, oz. 35c.

DILL.—Seeds are sown for dill pickles. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

FENNEL, SWEET.—Leaves used in sauces. Pkt. 5c, oz. 10c.

HOREHOUND.—For seasoning and cough remedy. Pkt. 5c, oz. 20c.

HYSSOP.—Used for asthma and catarrh. Pkt. 5c, oz. 20c.

LAVENDER.—Used largely as a perfume. Pkt. 5c, oz. 25c.

MARJORAM, SWEET.—For seasoning. Pkt. 5c, oz. 15c.

OPIUM POPPY.—White seeded. Pkt. 5c, oz. 10c.

ROSEMARY.—Aromatic leaves used for seasoning. Pkt. 5c, oz. 25c.

RUE.—For medicinal purposes; good for fowls. Pkt. 5c, oz. 15c.

SAFFRON.—Dried flowers used for coloring. Pkt. 5c, oz. 15c.

SAGE.—Much used for dressing. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.40.

SUMMER SAVORY.—Used for flavoring. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c.

SWEET WOODRUFF.—A sweet scented herb; forms the principal ingredient of the famous German Mairrank. Pkt. 5c, oz. 60c.

TANSY.—Cultivated for its medicinal properties. Pkt. 5c, oz. 40c.

THYME.—Leaves and young shoots used for seasoning. Pkt. 5c, oz. 20c.

WORMWOOD.—Used medicinally and for poultry. Pkt. 5c, oz. 20c.

MIXED VARIETIES.—A mixture of all the above. A nice garden assortment. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

A CHOICE COLLECTION OF HERBS IS A VALUABLE ADDITION TO ANY GARDEN.

GARDEN PLANTS AND ROOTS.

Every garden should contain an assortment of these hardy plants and a few square feet will supply the family. Many persons now believe that if these well known old remedies were kept and used more in families in place of so many drugs and patent medicines it would be better for the health of the people. Orders for these plants must amount to at least 25 cents. We pay the postage

ARTEMESIA, or Brotan.—A hardy plant sometimes called "Old Man." The leaves have a pleasant odor and bitter taste. Use similar to wormwood. Each 15c, 3 for 40c

BALSAM MINT.—Has a soft agreeable fragrance and is used for perfume; also used for flavoring soups, salads, etc. Each 15c, 3 for 40c.

CALAMUS.—(*Acorus*).—Also called "Sweet Flag." Leaves have an aromatic odor, and roots a pungent taste. Grows in a wet soil or beside ponds, but can be grown in dry places also. Each 15c, doz. \$1.50.

CHIVES.—Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever the flavor of onion is required. Plant in small clumps in any common garden soil, and they will grow readily. The tops appear very early in spring and can be shorn throughout the season. In New England it is considered indispensable for use in omelets. Roots per bunch 15c, 3 for 35c, doz. \$1.00.

MONARDIA DIDIMA.—Also called Scarlet Bergamot and Oswego Tea. Each 10c, 3 for 25c, doz. 75c.

CATNIP, or Catmint.—Used largely for infants. Each 10c, 3 for 25c, doz. 75c.

PEPPERMINT.—All children know and like the flavor of peppermint. It has high medicinal value. Each 10c, 3 for 25c, doz. 75c.

GENUINE PENNYROYAL.—Warm, pungent, of somewhat aromatic taste; used for medicinal purposes. Each 15c, 3 for 40c, doz. \$1.25.

ROSEMARY.—Used for perfume, also for flavoring meats, stews, etc., and for garnishing. Each 10c, 3 for 25c, doz. 75c.

HOLT'S MAMMOTH SAGE.—Great improvement on common sage. Plants are very strong growing, first season attaining one foot in height, and so spreading that a single plant covers space 3 ft. in diameter; leaves borne well above soil, very large and of unusual substance, strong in flavor and of superior quality. A single plant of Holt's Mammoth will yield more than a dozen of the common, hardy. Each 10c, 3 for 25c, doz. 75c.

VARIEGATED MAMMOTH SAGE.—Beautifully variegated, dark green and pure white color, which makes it a very ornamental plant; equal to Holt's in productiveness and flavor, new and scarce. Each 15c, 3 for 35c

SEPMINT.—This is commonly called Mint and thousands of dollars worth of it is sold annually in New York, Boston and other cities for flavoring salads, garnishing meats; etc. Each 10c, 3 for 25c, doz. 75c.

SASSAFRAS.—A well known medicinal plant. Each 25c, 3 for 60c.

TANSY.—Used largely for its tonic, stomachic and other medicinal qualities. Each 10c, 3 for 25c, doz. 75c.

TARRAGON.—The true tarragon is appreciated thoroughly by all who know it, for the use of its aromatic leaves in seasoning salads, soups, picles, etc., and also for tarragon vinegar. Each 15c, 3 for 40c, doz. \$1.25.

GOLDEN VARIEGATED THYME.—A handsome and attractive variety, used for sauces and flavoring. Each 10c, 3 for 25c.

SILVER THYME.—Variegated white and green. Each 10c, 3 for 25c.

HOP ROOTS.—For making yeast, etc. Each 15c, 3 for 35c, doz. \$1.00.

COLLECTION One plant each of any ten Herb and Mint Plants on this page
FOR ONLY \$1.00 POSTPAID.

GARLIC.

A species of onion propagated by offsets; used for flavoring soups, stews and other dishes. We furnish sets at 40c per lb., postpaid; by express 25c per lb., 10 lbs. for \$2.00.

HORSE RADISH.

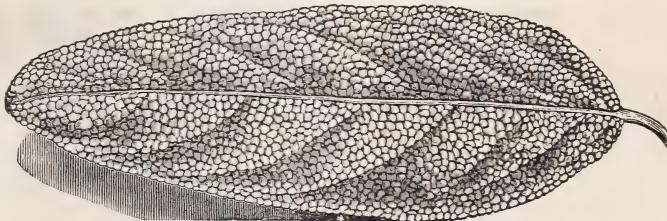
Grow it in your own garden and grate it freshly. Plant the sets small end down in rows 2 feet apart and about 18 inches apart in the row. They will do better in rich, loose soil set slanting and covered 2 in. Nice sets 15c per doz, 75c per 100 postpaid; by express per 100 50c; per 1,000 \$4.00.

RHUBARB ROOTS.

Plant in spring or fall, setting the plants three feet apart each way.

VICTORIA.—The standard for general use. Each 15c, 5 for 50c, doz. \$1.00

IDEAL MAMMOTH.—The largest and best variety. See description with Novelties. Strong roots 25c each; doz. \$2.00 postpaid.



HOLT'S MAMMOTH SAGE.—(Average size leaf).

ASPARAGUS ROOTS.

It pays to have a small bed of asparagus so as to gather it fresh from your garden, and when once set, a bed will last many years. Our roots are strong and healthy. We recommend the one year old roots as more desirable than the two-year-old for general planting, as well as cheaper. Ask for circula, giving directions for planting.

CONOVER'S COLOSSAL.—25c per dozen; \$1.00 per 100 postpaid. By express or freight, at purchasers expense per 100 60c; 1,000 for \$4.00.

COLUMBIAN MAMMOTH WHITE.—(See description on page 2) 30c per doz; \$1.25 per 100 postpaid. By express per 100 75c, 1,000 for \$5.00.

Two-year-old roots of either variety 50c per dozen; \$1.60 per 100 postpaid. By express or freight \$1.00 per 100; \$6.00 per 1,000.

MUSHROOMS.

The ease and certainty with which a crop of mushrooms can be grown to perfection in any ordinary house cellar, woodshed or barn, and the astonishing success of so many who have taken up this new industry both for profit and their own use, induces us to call especial attention to the subject. The great luxury of mushrooms can be enjoyed by all at a trifling expenditure of money, time and labor. We recommend our English mushroom spawn as generally the better both for the market garden and the private planter. Directions for culture sent free.

IMPROVED ENGLISH SPAWN

This is grown by special culture from large, perfect heads and then pressed into bricks weighing $1\frac{1}{2}$ lbs. each. Per brick 40c postpaid. By express or freight, 5 lbs. 65c, 10 lbs. \$1.00, 25lb. \$2.00, 100 lbs. \$6.00. Book on Mushroom Culture 10 cents.



MUSHROOMS.

VEGETABLE PLANTS.

Well grown and lightly packed to carry a long distance. They can be shipped fresh, well packed at the beds, on a day's notice.

Plants quoted "by mail" are sent at our expense; "by express" at the purchaser's. No charge either for packing or boxes. Plants from either hotbed or cold frame are ready during April or May; outdoor grown during June and until the middle of July. We sell 500 at the 1,000 rate.

CABBAGE PLANTS.—**EARLY VARIETIES**—Ready April 10th.—Extra Early Express, Jersey Wakefield and Washington Wakefield. By mail 25 for 25c, 100 75c; by express, 100 50c; 1,000 \$4.00.

CABBAGE PLANTS.—**LATE VARIETIES**—Ready May 15th.—Sure-head, Premium Flat Dutch and Shortstem Drumhead. By mail, 25 for 25c, 100 65c; by express, 100 40c; 1,000 \$2.50.

CAULIFLOWER PLANTS.—Ready April 15th.—Henderson's Snowball. By mail, doz. 25c; 100 \$1.25; by express, 100 \$1.00; 1,000 \$7.00.

CELERY PLANTS.—Ready May 1st.—White Plume and Golden Self-Bunching. By mail, doz. 20c, 100 75c; by express, 100 60c, 1,000 \$4.00. Out door grown, after June 15th, 100 40c, \$3.00 per 1,000.

EGG PLANTS.—Ready May 1st.—New York Improved. By mail doz. 25c, 100 \$1.25; by express, 100 \$1.00.

LETTUCE PLANTS.—Black Seeded Simpson and Improved Hanson. Per doz. 20c, 100 for 75c postpaid. By express, per 100, 50c.

PEPPER PLANTS.—Ready May 1st.—Ruby King, Large Bell, and Red Chili. By mail, doz. 25c, 100 \$1.00; by express, 100 75c.

TOMATO PLANTS.—Ready May 1st.—Strong transplanted plants; Spark's Earliana, Dwarf Champion, Beauty and Matchless. By mail, doz. 25c, 100 \$1.40; by express, 100 \$1.20, 1,000 \$7.50. *Not transplanted*—by mail, 100 75c; by express, 100 50c, 1,000 \$3.50.

TOMATO PLANTS.—Majestic and June Pink. Extra fine pot grown plants. By mail, doz. 50c; by express, 100 for \$3.00.

GROUND CHERRY.—Ready May 15th.—Improved Yellow. By mail, doz. 25c, 100 \$1.25; by express, \$1.00 per 100.

SWEET POTATO PLANTS.—Ready May 1st.—Plants strong, vigorous, well rooted and hardy. We can furnish either the Yellow Nansemond or the Early Yellow Jersey. Write if you want a large lot. Prices vary. By mail, 100 for 50c; by express, 100 for 35c, 1,000 \$2.50.

VINELESS SWEET POTATO PLANTS.—Per 100 90c, postpaid. By express, 100 75c, 1,000 \$6.00.

MANY STERLING NOVELTIES ARE DESCRIBED ON THE COLORED PAGES OF THIS CATALOGUE.

FARM SEED DEPARTMENT.

AS THE FARM CROP is more important to the general welfare of the country than any other, so the Farm Seed Department should have pre-eminence in seed catalogues. Realizing the vast importance of this branch of our business, we devote our careful attention to the growth and selection of the best farm seeds of all sorts. Our seed grain is grown especially for seed in the section best suited to its development and perfect maturity, is all carefully selected, thoroughly cleaned, of the best quality and we sell at reasonable prices.

WE TAKE PRIDE in our large and increasing trade in this branch of the business. With our new and convenient buildings and improved machinery for cleaning, which is as perfect as any in the United States, we are enabled to clean seeds perfectly far better than those commonly sold

High Grade Seed Grain.—It costs more to grow a crop for seed purposes than the ordinary farmer can understand. It requires extra choice stock seed, special preparation of the land, special cultivation, great care in harvesting, cleaning, grading, testing, preparing for shipment, bags, etc. etc., so that we are obliged to ask a considerable advance over market prices, but any intelligent farmer who appreciates the value of good seeds will agree with us that such pedigreed seed is well worth to him the price we ask. **IT PAYS TO GROW THE BEST.**

PRICES named in this department are subject to important market changes. Quotations are net and are not subject to premium or discount which is offered on other seeds. Clover and grass seeds are constantly varying

in value, and we issue a price list daily during the busy season. Please write for quotations, sending list of requirements, when in need. Orders sent us will be given benefit of lowest prices on day order is received. Will take pleasure in mailing samples and quoting inside prices at any time on large orders.

SHIPPING.—In this department everything that is quoted by the packet or pound is sent by mail postpaid; all larger quantities unless noted, are sent by express or freight at the expense of the purchaser. Prices named include bags (except on clover and grass seeds) and delivering to depot here.

NOTICE.—While we exercise great care to have all seeds pure and reliable we give no warranty, express or implied. However, if the seeds are not satisfactory on receipt and examination, they are to be returned to us at once and we will refund the money.

OUR EXPERIMENTAL GROUNDS.—We are continually experimenting with farm seeds on our trial grounds by having plots of each variety of grain and grass seed sown or planted which enables us to determine their relative values. This enables us to better answer the inquiries of our customers regarding crops suitable to their requirements.



WAREHOUSE 203-210-212 SOUTH EIGHTH ST.
WHERE ORDERS FOR FARM SEEDS ARE FILLED.

It costs less than 30 cents
an acre to use our carefully
selected **SEED CORN**.

SEED CORN

Do you think it wise to risk
doubtful corn when **GOOD**
SEED is so cheap?

THIS is our great specialty. We claim to be headquarters for seed corn in the United States, and are pleased to say that we are in a better position than ever before to furnish the choicest seed from the best thoroughbred varieties of corn. We had no early frosts in this section of the country and the crops were all thoroughly matured and in excellent condition for seed purposes before frost could damage them. We are confident that we can furnish the best quality and the best varieties obtainable. Send list of your wants and let us quote prices.

ABOUT FORTY YEARS AGO

when we began in the seed business, farmers would not buy seed corn. Every man saved his own seed, and it was considered folly to buy seed corn. In 1881 we introduced a new variety and those venturesome enough to try it were greatly pleased. But still the sale was very limited. In 1892 we originated and introduced the Iowa Gold Mine which sprang at once into prominence, as it was, and is yet, the deepest grained and smallest cobsbed variety ever brought out.

Since that time we have introduced Iowa Silver Mine, Early Longfellow Dent, Improved Early Mastodon, Lenoher's Homestead, Star Leaming, Iowa Century Wonder, Profit, Farmer's Reliance and Golden West which have all become very popular and are everywhere the best of their class.

Our New Seed Corn House.

which we have just erected on our farm at Altoona eleven miles east of Des Moines, is, we are sure, the best arranged and most complete building in America for this purpose. The outside walls are made up almost entirely of doors which can be lifted for ventilation and are in fact kept open all the time except during very cold or stormy weather. The interior arrangements consist mainly of very narrow high cribs with ventilators running through the entire length of them and narrow passage ways between the cribs. There is a very extensive system of steam pipes underneath, which are used as needed for drying the corn and also to keep out moisture during foggy weather and to protect it from freezing.

WE ARE BREEDERS of seed corn, growing it here in central Iowa, the best section for corn in the great corn belt of the United States. We have several seed corn specialists, who select the stock seed for our crops. Each ear is critically examined in all its points with the greatest of care and only such ears as are strong and vigorous in vitality and true to the ideal of each variety are used. These ears must be uniform in shape and color with straight rows, the tips being well filled with large grains, which denotes vigor and strength, the kernels being uniform in color, depth, width, shape and such other characteristics as are most desirable and indicate well bred corn. This stock seed is then placed in the hands of careful growers who, for many years past, have made a specialty of

growing seed corn exclusively for us, and who therefore know just how to handle the crops to secure the best results. Our rule is to have each variety grown at least ninety rods from any other variety in order to prevent its becoming mixed. The greatest care is used in preparing and having the soil in the best of condition and in the cultivation of the crop.

We have about 800 acres of corn being grown for us for seed purposes near Altoona and when it is brought in at husking time it is not shoveled but is handled by conveyers throughout, from the time that it is dumped by special machinery from the wagons and conveyed to the sorting hoppers where it is carefully handled and all inferior ears discarded. It is then conveyed on to the drying cribs where it remains until February when it is again resorted by seed corn experts, shelled and graded. We



SEED CORN HOUSE AT ALTOONA.

have special machinery for tipping and butting and all our seed corn is very carefully graded so that it can be planted with the edge dropping corn planter.

It is then tested by taking several lots of one hundred kernels, each from different bags or bins, just as the corn runs in the bulk, which is the only way to get a true average test. The utmost care is used through the whole process of handling and preparing it for seed. Corn thus prepared cannot be sold at a price that ordinary seed corn is sold for, but we know that it is worth more to any farmer.

YOU RUN NO RISK in buying seed corn from us because it is not satisfactory on arrival, it may be returned immediately and we will refund your money.



Prosperity Oats
HEAVIEST GRAINED AND
HEAVIEST YIELDING VARIETY

PROSPERITY
CORN

THE NEAREST
PERFECTION
EVER REACHED
IN A
YELLOW CORN



EARLY
PROSPERITY
EARLIEST AND BEST
EARLY POTATO IN THE
WORLD

PROSPERITY FOR 1908.

THREE GRAND NOVELTIES FOR FARMERS.

ALL enterprising, up-to-date seed dealers are constantly striving to improve the various kinds of flowers, vegetables and farm crops, but improved varieties of farm grains are quite slowly developed and real improvements are scarce. It is therefore with great pride that we introduce three of what we consider the best farm novelties ever sent out. They are each the result of many years careful experiments and selection to secure the highest type possible for profitable growing by the farmers of Iowa and the great corn belt, and we believe they will occupy a permanent position at the head of the list for many years to come. The selection of appropriate names had been carefully considered and we had about decided on names for the oats and potatoes, but when out examining the crops last fall and noting how prosperous the farmers were becoming with the always bountiful crop of this new variety of corn which they were growing for us, it came to us like an inspiration "Call it Prosperity". The name was so good that we adopted it at once for the oats and potatoes as well as for the corn. They make a trio which will bring real prosperity to every grower and we put our experience of about thirty years as farm seed specialists behind our most strong recommendation of these sterling farm novelties. Remember that we are the introducers of the Iowa Silver Mine, Iowa Gold Mine, and eight of the most prominent varieties of corn in the world. We are also the introducers of two of the most popular varieties of oats and several of the best kinds of potatoes and when we say that these three new sorts far exceed them all in valuable characteristics it means something.

Read the descriptions carefully; read every word of them. We are positive these sterling novelties will prove more than satisfactory and you should send your order early. There is sure to be an immense demand and stock will probably be exhausted long before season is over.

SHOW ENTERPRISE -- BE THE FIRST in your locality to grow every one of them, and you can sell your crop at high prices to your neighbors next spring for seed. Hundreds of farmers have made a "lot of money," by adopting this plan on our other novelties when first introduced.

Prosperity Corn.

Grandest Farm Novelty Ever Sent Out.

Our old customers know that for more than twenty years we have been preaching the gospel of **Improved Seed Corn**, and this new variety which is now offered for the first time is unquestionably the finest variety of corn in existence. It is the most thoroughbred, highly perfected type and the greatest acquisition since we introduced the **IOWA SILVER MINE** twelve years ago.

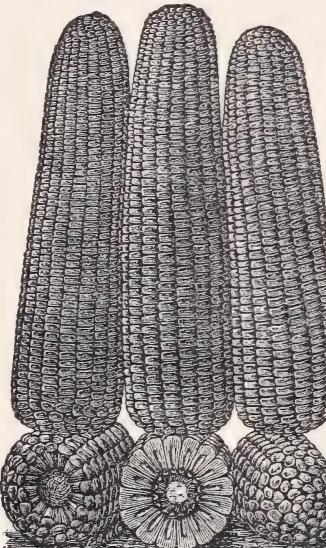
For some time past we have realized the need of a yellow corn which would produce a satisfactory crop with less favorable conditions than those required by the Golden West or Reid's Dent and with confidence we offer this new sort as fully "filling the bill". In our numerous tests on both good and poor land we have found that while it responds to good soil and cultivation with an immense yield, it will also produce more corn with poor treatment than any other large eared yellow variety under similar conditions. The plant is an ideal one, the stalk being about eight feet high with abundant broad leaves, and it is so well rooted that it withstands wind storms extra well, being only equaled in this respect by the Profit. It is comparatively free from barren stalks. The large symmetrical ears are borne uniformly at about four feet from the ground, high enough to get the sun and air low enough to be protected from the storms and high enough for husking. The shank is long, allowing the ear to droop when maturing thus shedding the rain instead of holding it in the husk, and being small it is very easy to break in husking, yet we seldom find an ear whipped off by the wind. The ears are very large, 10 to 12 inches long, nearly cylindrical holding their size well to the end, are well rounded or capped over at both ends and have that well groomed appearance of thoroughbred corn. The fine shaped grains, which are set in straight rows, are quite deep and broad at the grain end thus making a solid or heavy ear, and they are of such rich yellow color and uniform size that it is surely the handsomest corn we have ever seen. Cobs are dark red and so small that 70 lbs. of ear corn shells out 61 lbs. It is not as smooth or close on cob as some other sorts and therefore dries out better, does not mildew on cob and the live stock can eat it from cob more easily.

It usually ripens in 100 days but has the faculty of an unfavorable season and has matured fully, when planted as late as June 9th. In every one of our fields it outyielded all other yellow varieties and to sum it all up we consider it the most nearly perfect variety of yellow dent corn in existence. Price pkt. 5c, 1b. 25c, 3 lbs. 60c, sample ear 5c, 7 lbs. (will plant an acre) \$1.00, charges prepaid. By freight at purchaser's expense per peck 90c, bush. \$3.00, 2 bu. or more @ \$2.75, 10 bushel for \$25.00.

Why Better Than Other Standard Varieties.

Earlier than the average.	Does not mildew on cob.
Matures better.	Not as smooth or close on cob.
Dries out better.	cob.
Shells out better.	No nubbins.
Color is better.	More symmetrical

In my test the new Prosperity Corn matured well, making very uniform, good shaped, sound ears of rich yellow color and deep kernels.—*Geo. M. Fox, Dallas county, Iowa.*



IDEAL EARS OF CORN.

Our cut illustrates an ideal shape for ears of corn. Notice depth of grain and how well it is filled out over both the tip and butt ends. Grain is wedge shape and still without space between kernels at germ ends.

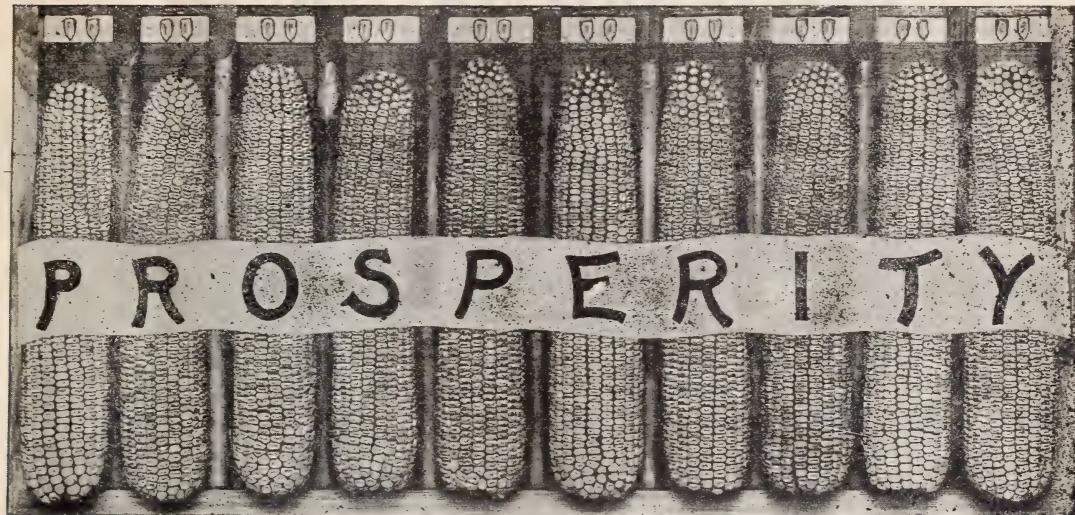
By freight or express, peck 65c, bushel \$2.00, 5 bush. \$3.50, 10 bush. \$7.50, 25 bushels or more @ \$1.65 per bu. bags included.

Early Prosperity Potato.

NOVELTY 1908.

An extra early sort that is of such superior merit that it is sure to at once take a front place with market gardeners as well as with everyone who wants a potato of first class quality which will mature very early. It is a seedling which we are now offering for the first time and in it we have got the earliest white potato that we have ever seen. While it is not so much earlier than our White Triumph, still it is much larger, of better quality and does well on soils which do not seem favorable to the Triumph. It is of very strong, vigorous, healthy growth appearing to be entirely blight proof. The tubers are of oval shape, slightly flattened, smooth, white skin and few eyes. They cook well even when small and are white, floury and of excellent flavor. Summing it all up it is as early as any potato on our list, of handsome shape and color and unsurpassed for table use. We regret however that our stock is so small that we are unable to make a lower price. Per lb. 50c, 3 lbs. \$1.25, postage paid. By freight or express $\frac{1}{2}$ pk. \$1.25, pk. \$2.00.

THESE THREE NOVELTIES CAN ONLY BE PURCHASED FROM IOWA SEED CO., DES MOINES, IOWA.



PHOTOGRAPH OF EARS OF THE NEW PROSPERITY CORN IN A JUDGING TRAY.

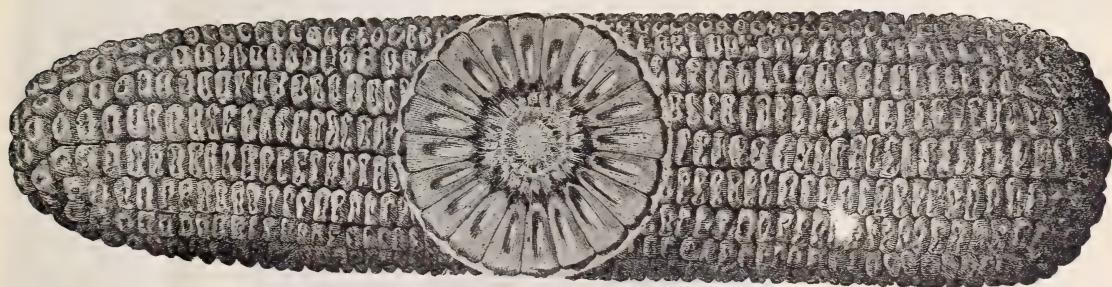
JUDGING SEED CORN.

The above is a photograph of ten ears of Prosperity Corn in one of the judging trays used by Professor Holden in his corn classes at the Iowa Agricultural School. These trays are made to show up each individual ear, and also 2 kernels from each ear are shown in the groove above. In the field, on the wagon, on the scales or on the judging tray Prosperity Corn always shows to advantage. These ten ears were picked from the field before husking time so that photograph might be prepared in time for this catalogue and are not good samples of the corn. In selecting for the corn shows competitors often sort over several hundred bushels for a ten ear sample while these were selected in a few minutes from the field where every husk had to be opened.

In all the points of a good corn Prosperity is as near perfection as has yet been attained. The ear is as large as is consistent with perfect maturity, well filled at both ends, with small cob, bright vigorous appearance

and, in fact, always looks Prosperous. It is a thoroughbred corn, producing a uniform type of ears, about ten inches in length, a little more slender than Silver Mine, well filled at both ends. The kernels are uniform in depth and shape with plump tip filling the ear well at the cob; large bright germ showing strong vitality and high feeding value. The grains are a bright golden yellow in straight even rows on a dark red cob.

SELLING PERCENTAGE.—Prosperity has all the requirements of a high shelling percentage; deep grains, small light cob, well rounded ends, kernel set snugly from cob to cap, leaving only room enough to properly dry out; but what is more, it shells a high percentage in actual test, 70 pounds of ears making 61 pounds of shelled corn. Judge it as you will, we are confident it will stand the test and hold its own in a comparison with any other variety. Price per pk, 90c, bu. \$3.00, 2 bu. or more at \$2.75.



SPECIMEN EAR OF THE NEW GOLDEN WEST.

GOLDEN WEST CORN.

For years past we have been searching for a variety of corn which had the characteristics of the Iowa Gold Mine as to depth of grain and color but which produced a larger ear and would yield a better crop. We have also been at work trying to produce such a variety on our own place, but it is difficult to breed it up in such a way that it will hold these valuable characteristics. **The New Golden West comes the nearest to our ideal.** The stalk and manner of earing greatly resemble the Iowa Silver Mine, the ears averaging fully as large or larger and the grain is more solid on the cob.

Golden West is one of the most vigorous growing varieties that we know of. Stalk is of medium height and very thick at the ground, short jointed with broad leaves which help mature the large crop of corn it produces. It is **deep rooted** and therefore not easily injured by hard wind storms. The ears have usually eighteen to twenty rows. There are many ears which measure eleven inches in length and weigh one and one-half pounds, containing from 1,200 to 1,500 grains to the ear. The

kernel are of such shape that they wedge in tightly and make a solid ear, not only at the cap, but down near the point or germ end. This is a characteristic which is overlooked by many corn breeders, thus causing ears of ordinary varieties, which appear solid, to be of light weight. The ear is solid, nearly uniform in size throughout its entire length, but gradually tapering off to a blunt oval tip, cob comparatively small and of such nature that it dries out rapidly, thus **insuring a well matured crop**, even during unfavorable seasons. It matures in about one hundred days, thus making it a safe corn to plant, and we claim that it will yield a **larger crop than any other yellow corn in existence**. It is not a poor land corn, however, as it requires good soil and cultivation. Vast treasures of Iowa soil, rain and sunshine are being annually wasted by trifling with varieties of corn not capable of utilizing them. Don't plant the old worn out sorts any longer, begin right this year by buying Golden West. Per pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more at \$1.85, 10 bu. or more at \$1.70.

IF YOU WANT TO BE PROSPEROUS PLANT PROSPERITY CORN.

PRIZE WINNER
EVERYWHERE

IOWA SILVER MINE

215 BUSHELS
PER ACRE.

The most marvelous variety of corn ever offered, and one which will surprise everyone who plants it. Thousands of farmers have tried it and doubled their crops and also made money rapidly by selling seeds to their less enterprising neighbors. It is revolutionizing the corn growing industry of the country. Just think of this wonderful yield—215 bushels per acre. We don't blame some practical farmers for looking incredulous when this is mentioned; we did not believe it ourselves until we had measured the ground and proved conclusively that the report was correct. The seed corn trade is our great specialty, and we claim to be seed corn experts, and in the spring of 1895, when we first saw this corn, we purchased the variety for \$1000.00 cash. The originator is not growing or selling seed corn now and you must buy from us if you want pure, true to name seed. Just think of it! The average corn crop of the United States is only 28 bushels per acre, and there was more than seven times this amount of Iowa Silver Mine grown on one acre. Would you like to grow this kind of crop? Plant Iowa Silver Mine Corn—plant your whole farm to it.

DESCRIPTION—Stalk grows to a height of about seven or eight feet, and sets the ears about three and one-half to four feet from the ground, just the right height for easy picking. One peculiarity which will be noticed in going over the fields is that there are no barren stalks; every one has an ear, many stalks have two or three good ears, and the originator says that has been characteristic every year that he has grown it. The tassel is large. Ears measuring from **Two to Twelve inches in length**, and weigh one and one-half pounds when fully grown. The ears are very uniform in size and shape, with sixteen to twenty straight rows (usually eighteen rows) of deep pure white kernels, set on small, white cob, and the ears are well filled out over the tips. It is early, maturing in ninety-five days. The cob dries rapidly, so that it is ready for market **earlier than any other white field corn** in existence. Seventy pounds in the ear will make sixty-two pounds shelled. It is adapted to a wider range of soil and climate than any corn ever offered. From Minnesota to Florida, from Massachusetts to California, it will yield a paying crop where other varieties are grown at a loss. It is in every way a distinct type of corn, hardy, and a wonderful resister of drought.

ITS PRIZE RECORD.—Everywhere the Iowa Silver Mine captures the prizes over all other varieties. At one fair ten of the largest ears took first prize, ten of the smaller ears took second prize. Afterwards the same ten large ears took sweepstakes over all other varieties, both white and yellow, making a total of **\$95.00 in prizes taken at one fair by twenty ears** of the Iowa Silver Mine Corn. It captured the big prize offered by us in 1893, for the largest crop, against all other kinds of any color, yielding 215 bushels. At the Illinois State Fair it took first premium for the best bushel of corn, any color or sort; first for best white corn in the state, and **grand sweepstakes for the best corn** of any color, competition open to the world. In 1899 the Illinois State Agricultural Society offered three large prizes for the largest corn crop grown on one acre, and the Iowa Silver Mine captured all three of them with crops of

196, 176 AND 154 BUSHELS PER ACRE.

No other corn of any color can compare with it for productiveness.

Read the Astonishing Record of our own prize contest. It produces 215 bushels per acre in Scott County, Iowa; 211 bushels per acre in Indiana; 201 bushels per acre in Arkansas; 176 bushels per acre in Illinois; 145 bushels per acre in Nebraska; 144 bushels per acre in Ohio; 137 bushels per acre in Texas.

NOW FOR 1908.—To everyone who orders Iowa Silver Mine Seed Corn from us we will send free full information as to how 215 bushels of corn were grown on one acre. Be progressive; adopt new methods and use good seed. Figure out what your profit would be if your crop were that large. It will pay you to plant your entire field with this variety. Get your neighbors to order with you.

WE ARE THE ORIGINAL INTRODUCERS.

And if you want pure Iowa Silver Mine Corn it must be purchased from us. We have proof that other dealers are copying our descriptions and selling common white corn as Iowa Silver Mine. The cost of pure seed is about 30 cents per acre. One bushel per acre added to your crop will pay for it, and you can't afford to use doubtful seed.

PRICE: For high grade extra select seed corn *Postpaid or by Express Prepaid*: Per pkt. 5c, 1b, 25c, 3 lbs. 60c, 7 lbs. (will plant an acre) \$1.00. *By Freight or Express, purchaser paying charges:* Per pk. 65c, bu. \$2.00, 2 bu., or more, at \$1.85, 10 bu. or more at \$1.70. Ask for special price in quantity.

READ WHAT THE PEOPLE SAY.

The seeds purchased from you produced the finest yields ever seen in our country. The **Iowa Silver Mine** Corn yielded 188 bushels to the acre"—W. A. Johnson, Miss. Co., Ark.

"I don't think a better quality of corn can be found than the **Iowa Silver Mine**, and it yielded 114 bushels per acre for me this year."—S. S. Troxel, Benton Co., Ia.

"Your **Iowa Silver Mine** Corn is the earliest white corn I have ever seen. Ears of good size and in many instances producing two good ears to the stalk. It is seldom that one sees anything bred up to such perfection as this new corn."—W. O. Cuddick, Lee County, Iowa.

"I am especially pleased with the **Iowa Silver Mine** Corn and it is worth five times as much as the Mastodon which I have been growing."—Jacob Siemens, Reno County, Kan.

Your **Silver Mine** Corn grew splendidly and ripened sufficiently to make seed corn 100 miles north of St. Paul."—Francis Maddox, Crow Wing County, Minn.

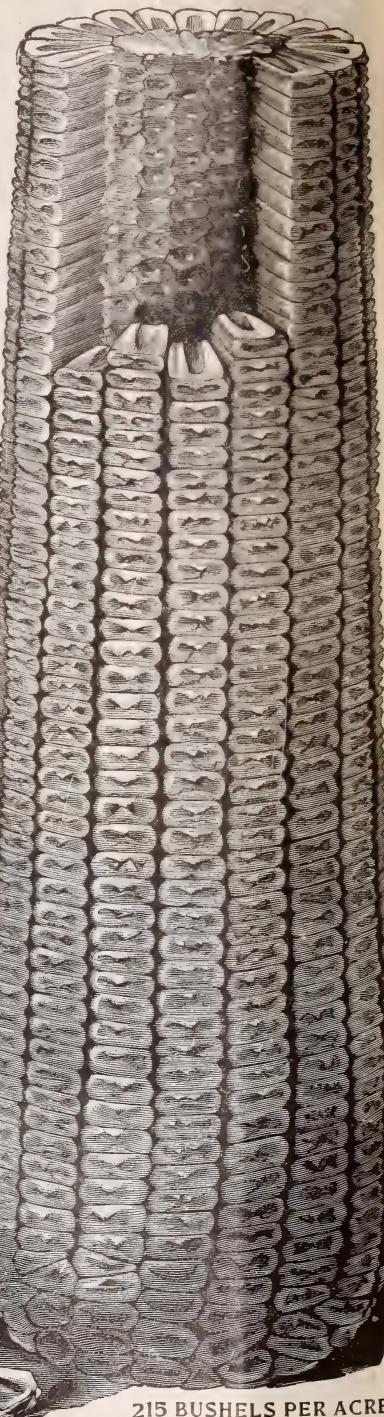
"I bought half a bushel of Silver Mine Corn of you and it yielded 100 bushels to the acre. I think it is the best corn of this part of the state."—E. Janssen, Cass County, Iowa.

231 BU. PER ACRE.

Sept. 25, 1905.—"Am very well pleased with your **Iowa Silver Mine** and **Golden West** Corn. I planted the **Silver Mine** on a piece of land, a little less than one acre. The other day I husked 12 shocks and got 42 bushels of good corn. At this rate I will harvest about 231 bushels of corn per acre."—Geo. Hearn, Morgan County, Mo.

IOWA SILVER MINE.

215 BUSHELS PER ACRE.





IOWA GOLD MINE

The Deepest
Grained, Purest
Yellow Corn in
Existence

IOWA GOLD MINE CORN.

THE DEEPEST GRAINED YELLOW CORN IN THE WORLD.

Everyone who has tried it is enthusiastic in the praise of this splendid variety which we introduced in 1892. Iowa is not called a gold mining state but in this grand variety the farmers of this country will find a veritable **mine of wealth**. It has received the most cordial endorsement as the best and most profitable variety ever grown. It is early, ripening a few days later than Pride of the North. Ears are not large, but of good size and symmetrical; color a bright golden yellow, as handsome as a twenty dollar gold coin just from the mint; **grain is very deep, cob small**, and therefore dries out very quickly. **Seventy pounds of ear corn makes 62 to 63 pounds of shelled corn**, and in hauling to market it weighs out five bushels more to the wagon load than common varieties in the same size wagon. We have shelled selected ears of this variety which produced **64 pounds of shelled corn and only 5 pounds of cobs to the bushel**. This is an unparalleled record. It cannot be equaled by any other corn in the world. Thousands of our customers say that they consider it the *ne plus ultra* in corn; that it would be impossible to attain any nearer perfection. It matures even in southern Minnesota. We can most confidently recommend it as the acme of perfection, and stake our reputation on its pleasing everyone who tries it. One carload lot of 400 bushels of Iowa Gold Mine corn was carefully weighed, and after shelling it was reweighed and there was just 456 bushels. Just think of it—a gain of 14 bushels to the 100. Remember if you want pure Iowa Gold Mine Corn you must purchase direct from us. If you purchase from your local dealer insist on seeing that our label is on every bag, plainly marked **IOWA SEED COMPANY**. It will pay you to change your seed, and don't fail to at least see a sample of Iowa Gold Mine before buying elsewhere. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid; by freight, pk. 65c, bushel \$2.00, 2 bushels or more at \$1.85, 10 bushels for \$17.00.

WHAT PRACTICAL FARMERS SAY:

I am glad I planted all my field with your seed corn this year. The **Iowa Gold Mine** surprises everyone here by its deep grain and small cob, and it shells out about six pounds to the bushel more than other sorts.—John W. Ernst, Floyd county, Iowa.

The **Iowa Gold Mine** Corn yields three times as much as any other variety. Think it is the best I have ever seen.—C. H. Shearer, McHenry county, Illinois.

Have just harvested the **Iowa Gold Mine** and it is a grand corn. Our farmer is enthusiastic over it. The type and color are perfect.—J. H. Beagley, Ford county, Illinois.

The **Iowa Gold Mine** Corn is the very best I ever saw and it is well adapted to this climate.—S. F. Reynolds, Dane County, Wis.

I bought some **Iowa Gold Mine** Corn of you and it is the best corn I ever used in my life.—Ernest Bolko, Monroe county, N. Y.

I bought of you several bushels of **Iowa Gold mine Corn** that have proven very satisfactory.—Harry D. Burress, Green county, Ill.

I grew 480 bushels of your **Iowa Gold Mine** Corn on four acres last year. An average of 120 bushels to the acre.—W. W. Preston, Warren county, Iowa.

Your **Iowa Gold Mine** Corn was early, stood the drouth remarkably well and produced 500 bushels of good sound corn. My neighbors, with as good or better conditions, either failed entirely or had only soft corn. I never made a more profitable investment in my life.—F. H. Fureaux, Arapahoe county, Colo.

Ten bushels of **Iowa Gold Mine** Corn purchased from you made a good stand and vigorous growth and has matured two weeks ahead of any other. We are now husking it and it far exceeds our expectations; the yield being decidedly larger than any other corn and is the brightest yellow color I ever saw.—O. E. Shonerman, Montgomery county, Iowa.

The **Iowa Gold Mine** Corn proved very satisfactory. It eared better than any other variety I have ever seen. The ears are better filled with deep grains of golden yellow corn, and I can say that it is more than it is claimed to be.—D. A. Rose, Washington county, Iowa.

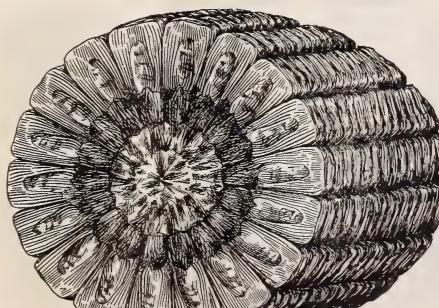
Enclosed please find my seed order for this spring. Last spring I purchased some **Iowa Gold Mine** Corn of you, which did exceedingly well here. I took three premiums on it at three different county fairs.—Dr. A. N. Wilbur, Adams county, Ohio.

LENOCHER'S HOMESTEAD.

For those who desire a first-class variety of red corn this is the one we would recommend above all others. It is one of the best varieties for feeding purposes not being hard enough to prevent stock from eating it easily and masticating it thoroughly. It is well known in Iowa for having won the **Iowa Homestead** prize of \$100, yielding 345 bushels on three acres with ordinary culture. It was also awarded a diploma at the World's Fair. It originated with Mr. G. F. Lenocher, one of the most practical corn growers and stock feeders in the state, and was named and introduced by the Iowa Seed Company. Its color is a rich dark red with occasional light caps; grain deep and hacked; ear somewhat above the average with small cobs which dries out rapidly so that it is not apt to be caught by frost. It is a safe corn to plant and often produces a good crop in unfavorable seasons when other corns will hardly make nubbins. It makes excellent corn for feeding, although its color is sometimes objectionable for marketing. Our stock has been carefully selected for seed purposes. Packet 5c, pound 25c, three pounds 60c; by freight, peck 55c, bushel \$1.75, two bushels or more at \$1.65, ten bushels for \$15.00.

Your Lenocher's Homestead Corn is out of sight. My neighbors bought all I could spare for seed purposes, and I had hard work to keep seed enough for my own use.—Frank Degan, Seneca county, Illinois.

Your Lenocher's Homestead Corn is the best hog corn I ever fed. It is the earliest variety grown in this part of the country.—John Aberle, Doniphan county, Kansas.



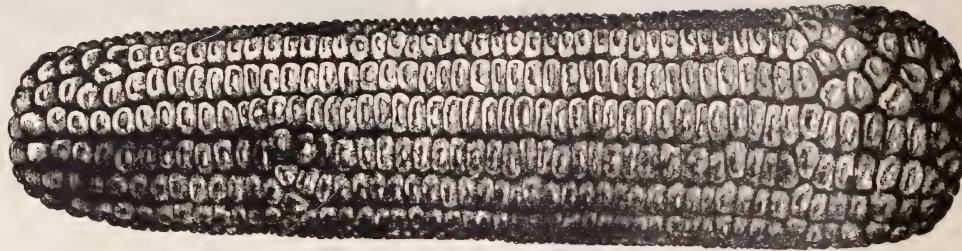
LENOCHER'S HOMESTEAD.

IF YOU NEED A LARGE AMOUNT OF SEED CORN BE SURE TO WRITE FOR SPECIAL QUOTATIONS.

FARMERS' RELIANCE CORN.

A GRAND NOVELTY in field corn, introduced by the Iowa Seed Company, and it is by far the earliest dent corn in existence, and also the largest eared early corn. It is earlier than Pride of the North and a much better cropper. This new variety of corn is the result of a scientific hybridization made fifteen years ago by a practical seed corn grower, and this has been followed by careful selection each year since, the object being to obtain the earliest large eared corn in the world. The corn is of a very strong, vigorous character, growing more rapidly than any other variety from the day it is planted. Its quick growth really surprises one with the speed with which it hurries on to make ears. The stalks usually have from nine to eleven blades, while most ordinary corn has thirteen blades. The leaves are quite broad, of a dark, emerald green, healthy color. This corn has been planted as late as June 26th and yielded a splendid crop, earlier than Pride of the North, which was planted at the same time. We claim that it will mature any year in eighty to ninety days. The ears are much larger than Pride of the North, not as rough or hacked, thus making it easier to handle, and the yield is 25 to 35 per cent more than Pride of the North, under the same conditions. An average bushel of seventy pounds will make sixty pounds of shelled corn. It has for years been selected from stalks which set the ears three feet or less from the ground and this has a tendency to make it earlier. Fully 40 per cent of the stalks produce two good ears. It is the "farmer's reliance" every year. The originator took the first prize for early yellow corn at every fair at which it has been exhibited. Per lb. 25c, 3 lbs. 60c, postpaid; by freight or express-
pk. 65c, bush. \$2.00, 2 bush. or more at \$1.85, 10 bush. for \$17.00.

Your Farmers' Reliance corn has
proved very fine and I am much
pleased with it.—W. A. Whitmer,
Clinton County, Iowa.

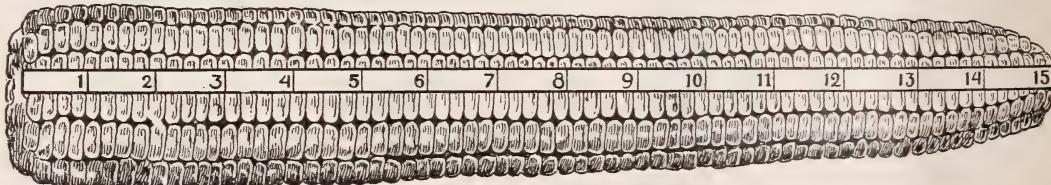


Last year I purchased some of your Farmers' Reliance Corn and was very much pleased with the splendid crop, as it yielded 400 bushels of ears from three acres of ground. Your corn is all that you recommend it to be.—Mrs. Harriet Brown, Ashtabula County, Ohio.

Your Farmers' Reliance is the earliest corn I have ever seen or grown, maturing in 80 days, being ten days to two weeks earlier than Pride of the North and yields double as much per acre.—H. H. Connell, Poweshiek County, Iowa.

EARLY LONGFELLOW DENT.

There is no telling when we will have a short season and early killing frost in the fall, and in such a case farmers who have their fields planted with an early maturing variety are truly fortunate. The trouble with most extra early sorts, however, is that they are too small and "nubby," but this new variety is of unusual length, our illustration showing an ear 15 inches long, but the average is about 12 inches. Its peculiar shape which is different from any other sort, suggests the name. It matures fully as early as Pride of the North, is double the size and yields a far larger crop, which is ripe and hard before there is a thought of frost, thus making a variety that it will pay to "tie to." Stalks are of medium height strong and not easily blown down. Grain is not as deep as some of our other varieties, but it is the corn of corns for selling on the market, as a wagon load of it is as pretty as a picture. Our crop this year was especially choice. We recommend it highly to customers in Northern Iowa, Minnesota, the Dakotas and other northern states, feeling sure that it will please everyone. Order early as there is sure to be a great demand. Per pkt. 5c, 1b. 25c, 3 lbs. 60c, postpaid. By freight, per pk. 55c, bush. \$1.75, 2 bush. or more at \$1.65, 10 bush. or more at \$1.50.



"I planted the Longfellow Dent Corn May 5th on good bottom land. I had a good stand and it was out of danger from frost Sept. 1st. I just now measured an ear 13½ inches long with sixteen rows. Many are 12 inches, few less than 11 inches long. A good business corn. As president of the first Corn Club organized in Iowa and a life-long corn grower I venture the opinion that this long eared corn is for the farmer a better

and more satisfactory type than any of the show corns."—W. P. Dawson, Cherokee County, Iowa.

I have transacted business with you to the extent of hundreds of dollars and I have found your business methods courteous and straightforward; careful in representations and honest in your dealings. Please send 4 bu. more of Golden West seed corn. D. E. Schoonover, Montgomery Co. Ia.

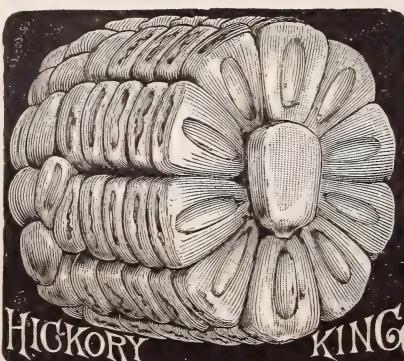
HICKORY KING.

A white field corn which has the largest grains with the smallest cob of any white corn ever introduced. So large are the grains and so extremely small is the cob that on an ear broken in half a single grain will almost cover the cob section completely. It is of strong, vigorous growth and yields splendid crops on light soil, and is a desirable variety where the season is long enough to mature it, but we do not recommend it north of Southern Iowa, although it produced a good crop last year forty miles north of Des Moines. Notice the illustration and if your farm is not too far north try at least a small field of it this year. This variety matures in about 135 days. Per pkt. 5c, 1b. 25c, 3 lbs. 60c, postpaid; by freight, pk. 70, bu. \$2.25, 2 bu. or more at \$2.10, 10 bu. for \$20.00.

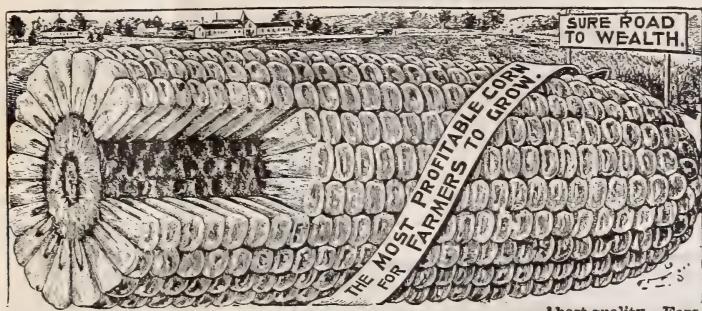
IOWA YELLOW DENT.

We always advise farmers to select the best named varieties in buying seed corn, and believe it pays them in the long run. This year, however, there will be thousands of farmers in need of seed corn, and their main object is to secure at a low price a nice grade of good yellow corn which is well matured, thoroughly tested, of strong vitality, and will produce a good crop of sound corn. While this corn is not equal to our best named varieties, still we believe you will find it superior to nine-tenths of the corn offered by other dealers. At our price it will cost you only about 15 cents per acre to plant your field with this variety and it will pay you well to order sufficient for your planting. Pk. 45c, bu. \$1.35, 2 bu. or more at \$1.25, 10 bu. or more at \$1.15,

"The seventy acres of corn we planted with seed from your firm is the best field corn in this county. It runs from two to three ears on each stalk."—D. M. McKinley, Kane County Ill.



The Farmers' Reliance corn pur-
chased from you has made a splen-
did yield.—Herman Hump, Iowa.



PRIDE OF THE NORTH.

This variety originated with A. L. Goddard, of Kossuth county, Iowa, about twenty years ago, and sprang at once into prominence as the earliest of all yellow dent corns. The ears are 7 to 8 inches long with small cob and kernel; seventy pounds of ears will make sixty pounds of shelled corn; color bright orange and very uniform. Will ripen in ninety days and matures in this latitude when planted in June. Good soil is capable of producing four or five good stalks to the hill and many of the stalks have two ears each. The same results can be better accomplished by growing closer together or planting in drills as it does not require as much room as the large growing sorts. This will enable one to get as large a crop a corn as with a large eared variety and much more fodder. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight pk. 65c, bu. \$2.00, 2 bu. or more at \$1.85, 10 bu. or more at \$1.70.

EAR CORN.

For those who prefer to purchase seed corn in the ear we will select nice ears of any of the varieties, carefully wrap each ear and pack in crates, boxes or barrels to protect from shelling and loss or injury in transit, at \$1.00 per bushel more than our catalogue price. Sample ears 35c postpaid.

LEGAL TENDER.

This is now one of the most prominent late varieties of yellow dent corn in the country. It is the result of about ten years selection by a seed corn specialist in Iowa, and has taken first premiums at many state and county fairs. The corn is productive and of uniform pure yellow color, ear very large and round, and a deep grain on a small cob, while the stalk does not grow too large. The introducer says: "Our ideal ear is an ear two-thirds as large around as it is long, containing sixteen to twenty rows, and small shanks. The kernels are deep, the cob is small at the butt and the ear holds its biggest toward the point, until near tapering off. It is capped over and the kernels hold their biggest toward the point, and that part runs out straight and not crinkled. It matures in about 115 days, but we do not recommend it for the northern portion of this state. Our stock of this is extra select, grown from the originator's stock seed, but improved in earliness by being grown in a more northern attitude. Last year our field of Legal Tender outyielded every other variety except Iowa Silver Mine. Pkt. 5c, lb. 25c, 3 lbs. 60c, by freight per pk. 65c, bu. \$1.75, 2 bu. or more at \$1.65, 10 bu. or more at \$1.50.

"Your Legal Tender Corn took first premium for the best yellow corn at Cass County fair. It was very fine. -F. B. Van Orman, Cass County, Ia.

IMPROVED WORLD'S FAIR.

This popular variety is a strain of the Reid's Yellow Dent, which has been bred to a different type. It is distinguished by the grain being deeper, rough on the surface and not so hard, the latter fact making it a more desirable variety for feeding purposes. It is a strong growing variety, maturing in about 110 days. Few varieties have outyielded it. It was the prize winner of both diploma and medal at the great World's Fair exhibition in Chicago, but since has been greatly improved. Pkt. 5c, lb. 25c, 3 lbs. 60c postpaid; by freight pk. 65c, bu. \$2.00, 2 bu. or more at \$1.85, 10 bu. or more at \$1.70.

NEW CENTURY WONDER.

A wonderful variety from South America, different in many respects from other sorts. Instead of growing like ordinary corn, one stalk to each kernel planted, it grows like winter wheat, producing ten to twenty stalks from each seed. There are frequently three to seven ears to the stalk, being eight to ten inches long, and of the most clean, snow white color. It is of excellent quality when used on the table like sweet corn, and when dry and ground makes the cleanest, finest, whitest meal you ever saw. It is an improvement on Brazilian flour corn; being acclimated by growing in the north. Plant early as it requires the whole season to mature in this latitude. Pkt. 10c, 1/4 lb. 15c, 1b. 40c, 3 lbs. (will plant one acre) \$1.00, postpaid. By freight, 1/2 pk. 65c, pk. \$1.00, bu. \$3.00

PROFIT CORN.

A very profitable corn for any farmer who has live stock to feed. We introduce this grand new variety and it has given excellent satisfaction everywhere. It originated from a carefully prepared cross of two well known sorts on the farm of a seed grower in Madison county, Iowa, which is the county that produced our world-famous Iowa Gold Mine. For nearly twenty years this corn has been bred up until now it is claimed to be the heaviest and most solid ear of any variety in existence, and of large size. *It ain't a handsome corn, but it's got money in it!* The color of the surface of the ear is not as uniform as our other varieties, some of the grains having a lighter yellow cap; this does not, however, injure its appearance when shelled. The purpose of the originator was to fix a type of field corn for profit, superior to any in cultivation, and profit in corn growing, as we understand it, means the largest crop of Shelled Corn (not cobs) maturing in a reasonably short time, and of large size, grain very deep, cob small and dries out rapidly, thus making it a sure cropper. The corn is so solid on the cob that the kernels appear as if driven in, and it shells out immensely. Will produce a larger crop on poor soil than any variety we know of and with good culture will astonish everybody. It is the corn to plant and we want all our customers to try it. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more at \$1.85, 10 bu. or more at \$1.70.

I was much pleased with your Profit Corn this season, as it gave an exceedingly large yield. -J. H. Luddington, Ashland county, Ohio.

The Profit Corn I received of you last spring has the right name. It is the best corn for stock. It grows large and is solid and also contains a greater proportion of fat than any of our corn in this country. Your Iowa Gold Mine Corn is beautiful in color, shape and size. -B. J. Williamson county, Ill.



REID'S YELLOW DENT.

REID'S YELLOW DENT.

Thoroughbred—Pedigreed—Carefuly Selected Stock.

During the past five or six years this variety has come rapidly to the front and now occupies a prominent position in all lists. It is of handsome shape and color and largely grown for exhibiting at fairs, corn shows and is used in many corn schools as a standard for judging. It is the most highly recommended by Prof. Holden, the noted corn expert of the Iowa Agricultural college, and is to well known to require lengthy description. Our stock is extra choice, having been grown from stock received direct from Mr. Reid, and we have selected the choicest ears so that we are sure our seed cannot fail to please the most particular. It is of handsome yellow color, smooth, deep grained and the kernels are packed very closely on the cob, thus giving it an appearance of great solidity. Matures in about 115 days. Pkt. 5c, lb. 25c, 3 lbs. 60c postpaid. By freight per pk. 65c, bu. \$1.75, 2 bu. or more at \$1.65, 10 bu. or more at \$1.50.



LEGAL TENDER CORN.

IF YOU NEED A LARGE AMOUNT OF SEED CORN ASK FOR SAMPLE AND PRICES.

STAR LEAMING.

The Leaming Corn, which originated with Mr. Leaming, of Ohio, always had the reputation of being the hardest and surest growing yellow corn, but particular growers objected to its red under-color and uneven kernels, due to its rapid tapering. Our Star Leaming, which is so easily distinguished from other strains, has been carefully selected and bred up through a long series of years, to overcome these objections and still retain all its desirable qualities. The ears are long and slender, with deep, yellowish, rich, deep orange color, on a medium to small cob. It grows to medium height, setting the ears about four feet from the ground, husks easily, and the corn is snug on the cob, thus making a very solid, heavy feeding ear. Surface is quite smooth for dent corn. It is very productive, and it is the ideal variety for selling in the ear. We sold many thousands of bushels of this variety last season, and expect to exceed the record this spring. Don't plant common corn when you can obtain this grand variety so cheap. Our seed this year is, we believe, superior to any ever before offered. Pkt. 5c, lb. 25c 3 lbs. 60c, postpaid. By freight, pk. 5c, bu. \$1.75, 2 bu. or more @ \$1.65, 10 bu. or more @ \$1.50.

LEAMING ENSILAGE.—A cheaper or commercial grade of good vitality, but not selected so closely to type. Largely used throughout the east for silos. Per pk. 40c, bu. \$1.10, 2 bu. or more @ \$1.00, 10 bu. or more @ 95c,

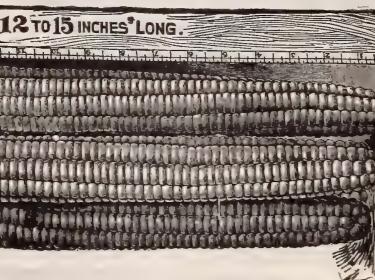
SANFORD'S EARLY WHITE FLINT.

This standard variety is considered the best flint corn on the market. The ears are of unusual length, 12 to 15 inches, and handsome shape, flinty white color. Plants of sturdy, vigorous growth; the leaves are very broad and succulent, and it is therefore of great value for fodder and ensilage, as well as for a grain crop. The stalks usually bear 2 or 3 long ears. You will be pleased with it if you like flint corn. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more @ \$1.85, 10 bu. or more @ \$1.70.

GIANT RED COB ENSILAGE.

Beyond doubt the best fodder corn, either to feed green right from the field, to put up for the silo, or to cure and stack away. It is a pure white corn, cropping as high as 45 tons of fodder per acre. It is sweet, tender and juicy, and furnishes more nourishment than any other variety; has short joints and therefore an abundance of leaves and grows to a fair height, but not over-large and coarse-stalked as makes an excellent grain crop in Missouri and throughout the south.

The ears are of unusual length, 12 to 15 inches; the leaves are very broad and succulent, and it is therefore of great value for fodder and ensilage, as well as for a grain crop. The stalks usually bear 2 or 3 long ears. You will be pleased with it if you like flint corn. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more @ \$1.85, 10 bu. or more @ \$1.70.

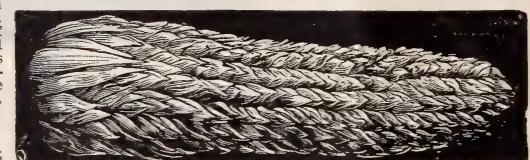


SANFORD'S EARLY WHITE FLINT.

some varieties. It is adapted to every section of the country for fodder, and makes an excellent grain crop in Missouri and throughout the south. Ears 8½ to 10 inches long, 16 rows, kernels deep and broad, and pure white on a red cob. Quite popular with dairy farmers. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid; by freight, per pk. 5c, bu. \$1.75, 2 bu. or more @ \$1.65, 10 bu. for \$15.00.

PRIMITIVE OR HUSK CORN.

It is from this wild variety that all of our civilized sorts have sprung. The ears are of fair size and each individual kernel or grain is covered with a husk and all is enclosed in an outer husk like common corn. In some of the wild and uncultivated parts of Mexico, the Primitive or natural corn can still be found growing wild. It is quite curious and valuable for exhibition purposes, and attracts great attention wherever seen. Some stalks bear as many as 20 ears. Per pkt. 10c. Specimen ear for 40 cents, postpaid.



PRIMITIVE OR HUSK.

IMPROVED EARLY YELLOW FLINT.

An eight-rowed yellow flint variety with ears from 10 to 15 inches long, 1½ to 2½ inches in diameter, and are well filled out to the extreme end of the cob. The cob is small and the kernel large and broad, ripens in 75 to 85 days. This corn is well adapted to the northwest and is said to produce 200 bushels of ears to the acre in Massachusetts. Has given excellent results in Minnesota and other northern states. Excellent for ensilage and is often used here for replanting. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid; by freight, pk. 65c, bu. \$2.00, 2 bu. or more @ \$1.85, 10 bu. for \$17.00.



EVERGREEN SWEET FODDER CORN.

The past two years seed sweet corn has been so scarce and high in price that we did not urge our customers to plant it, but last year we grew a splendid crop, both in quality and quantity, and are enabled to offer it at a very low price. We consider it one of the most valuable fodder plants in existence, and stock farmers should all devote some land to it. The stalks are sweet, juicy, rich, tender and very nutritious. On strong soil it will grow ten to twelve feet high and produce almost an incredible amount of fodder, which when cut is equal to hay, besides being cheaper. It is claimed by dairy farmers that fodder will increase the milk and cream production greatly and keep the animals in the best condition. It has the further merit of being sweet and palatable that cattle eat every part of the stalk and leaves. As a green fodder for cattle in the summer, one acre is worth eight acres of ordinary pasture. Of high value also for the hogs, and an excellent plant to plow under for soiling. Sow thickly in drills, or broadcast at rate of 2 bu. per acre. Pk. 60c, bu. (measured) \$1.75, 2 bu. or more @ \$1.60.

EARLY FODDER SWEET CORN.

Will make feed much earlier than the above and is very nice to feed when in roasting ear. Not as large a yielder. Pk. 60c, bu. \$1.75, 2 bu. or more @ \$1.60. Ask for price in quantity.

GIANT CUZCO CORN.

A strange and curious corn from Peru, with kernels of truly mammoth size as shown in our illustration, each one being as large as 4 to 10 kernels of ordinary field corn. It will cause wonder and astonishment in everyone who sees it. It is quite late in maturing and therefore should be started early in pots in the house. In transplanting be careful not to disturb the roots. Our cut shows an ordinary kernel of corn beside the Cuzco. It is a great novelty and attracted much attention at the corn shows. Sold only in packets at 10 cents.



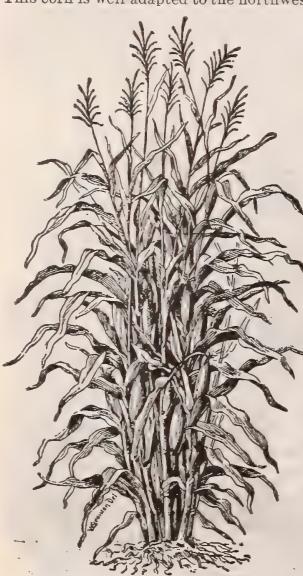
GIANT CUZCO CORN.

A GOLD MEDAL Your Irish Victor Oats did finely here and yielded 112 bushels per acre on my place and weighed 40 lbs. per measured bushel. I received the gold medal on them at the great Lewis & Clark Exposition.—J. F. Lowell, La Plata county, Colorado.

USE THE HAND CORN PLANTER FOR SMALL FIELDS OR REPLANTING. PRICE \$1.50



STAR LEAMING.



EVERGREEN SWEET FODDER CORN.

Seed Wheat.

No crop is more important and profitable than a good wheat. If farmers would pay more attention to having the proper soil conditions, securing the right kind of seed and getting it in properly, they would find it as profitable a farm crop as can be raised. A great many have grown our improved varieties the past few years and have received yields of from 30 to 50 bushels per acre. The following varieties we are confident are the best and most profitable to grow.

EARLY JAVA WHEAT.—For five or six years past this has given far better satisfaction in central Iowa than any other variety and wherever introduced is driving all others out. The farmers are delighted with it. It is a new variety of spring wheat, about ten days earlier than Velvet Chaff or other standard sorts, and thus escapes the extreme hot weather so injurious to small grain. It is usually ready for harvest as early as winter wheat, and therefore desirable to sow on land where winter wheat has partially failed. A good crop can this way be secured from fields which would otherwise be unprofitable and the wheat would be all right for milling purposes, but would not do for seed. Yields in this locality ordinarily about 35 bu. per acre. Per lb. 25c; 3 lbs. 60c, postpaid; by freight, pk. 65c, bu. \$1.75; 2 bu. or more @ \$1.65; 10 bu. for \$15.00.



HAYNE'S PEDIGREE WHEAT.—Heads are very large, well filled out, the kernel is hard, the plant stools greatly, and under ordinarily favorable conditions will yield 40 to 50 bushels per acre. It is an improvement on Velvet Chaff or Blue Stem Wheat and fully five days earlier in maturing. We most highly recommend this variety to customers everywhere in the wheat growing belt. Not only in the Northwest, where wheat is the main crop, but everywhere and under all conditions has this Pedigree Blue Stem Wheat proved itself superior to other varieties. Lb. 25c, 3 lbs. 60c, postpaid; by freight, pk. 65c, bu. \$1.75; 2 bu. or more @ \$1.65; 10 bu. for \$15.00.

"I was very much pleased with Haynes' Pedigree Blue Stem wheat last year. The weather was very unfavorable for small grain but it yielded nearly double the crop that my other wheat did, and of much better quality."—G. Rubes, Dickinson County, Iowa.

MACARONI WHEAT.—This wheat has proved to be a great money maker to the farmers of the Northwest, about 150,000 acres being sown to it by Dakota farmers alone last year, and they report yields 80 per cent greater than other varieties of wheat. One farmer reported 49 bushels per acre. Few people have any idea of the immense quantity of macaroni used in this country, and, until recently it has all been imported. It requires a special kind of wheat to make it, the best being known botanically as *Triticum Polystachyon*. It does especially well in the semi-arid plains. It seems to be always a sure crop and will mature in a shorter season than any other wheat and is therefore desirable for Minnesota, Dakota, Manitoba and the Northwest. Yields also very profitable crops in the Kansas, Oklahoma and Texas. It does well on good soil, but the yield is larger and quality better when grown on poor land. The grains are very hard and glossy, often translucent, and rather large. The heads are compactly formed and are bearded. This wheat is hardy and not attacked by smut or rust and is a sure crop. Sow seed early in the spring, about 1½ bu. per acre. Per lb. 30c, 3 lbs. 75c, postpaid; by freight ½ pk. 40c, pk. 65c, bu. \$1.65; 2 bu. or more @ \$1.50, 10 bu. for \$14.00.

Mr. Zavitz, of Ontario, writes us that he has grown macaroni wheat for 8 years past and the average yield has been 39 bushels per acre.

SERADELLA.

A most profitable fodder plant, especially adapted to light, poor or sandy soil, being equal to red clover in nutritive qualities and yields a larger crop. It is one of the best drought-resisting plants known and does well on high land as well as low. Cattle are very fond of it as hay, green fodder or for pasturing. It is not a perennial, but can be cut twice and will produce good pasture balance of year. Sow early in spring alone or with wheat or other grain. Pkt. 5c, lb. 30c, 3 lbs. 80c, postpaid. By freight, 10 lbs. or more @ 10c per lb., bu. of 45 lbs. (will sow 3 acres) \$3.75.

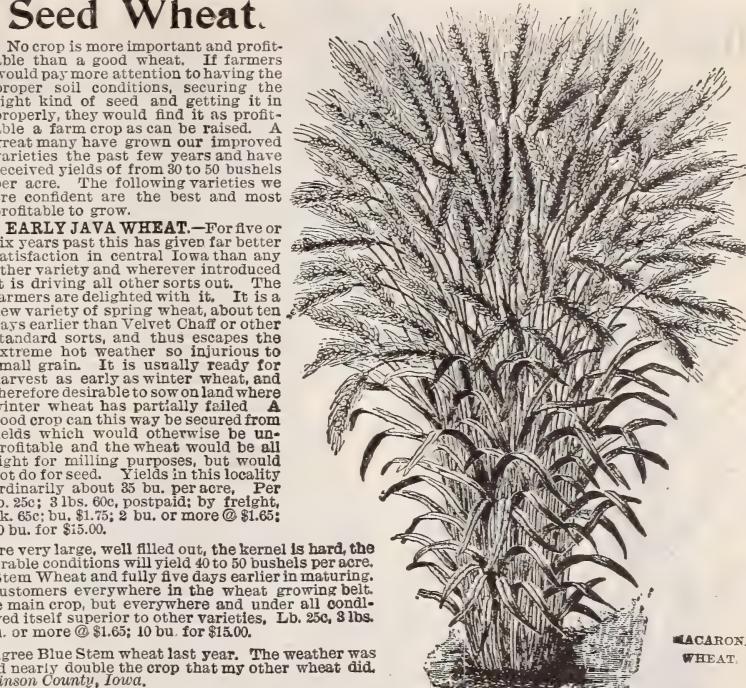
MANDSCHEURI BARLEY.

An improvement on the Manshurian which has heretofore been the most popular bearded sort. It is an early six-rowed variety, very strong strawed and stools well, bearing large, well-filled heads of plump-berried grain. Lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 60c, bu. \$1.60; 2 bu. or more @ \$1.50, 10 bu. for \$14.00.

YOUR CHECK IS GOOD.

It is sometimes inconvenient for our farmer customers to send to town for a draft or money order and if you have money in the bank you can send your personal check with order to pay for farm seeds. We make this offer to save you trouble and delay in obtaining the seeds you need.

IF YOU DESIRE TO PURCHASE A LARGE BILL OF SEEDS PLEASE SEND LIST FOR SPECIAL QUOTATIONS



VELVET CHAFF OR BLUE STEM WHEAT.—The standard variety for growing in Iowa and it is now the main crop in the northwestern states where the great milling kings use it for their highest grade flour. Per lb. 25c, 3 lbs. 50c, postpaid; by freight, pk. 60c, bu. \$1.65; 2 bu. or more @ \$1.50, 10 bu. or more for \$14.00.

DEFIANCE WINTER WHEAT.

(Improved Turkish Red.)—Introduced by the Iowa Seed Co. and we claim for this new wheat that it is unequalled in hardness, stooling qualities, productiveness, rust proof qualities, strength of straw, quality of grain, quality of flour and the best in all respects of any wheat ever offered.

It has a record of over 59 bushels per acre and many crops are reported of 35 to 45 bushels. Flour is equal to the world-famed Hungarian product. Everyone is delighted with it. Ask for price in the fall. Price for shipment by mail, per lb. 25c, 3 lbs. 60c, by freight, pk. 60c, bu. \$1.60; 2 bu. or more @ \$1.50.

IDEAL WHITE HULLESS BARLEY.

Is an ideal wheat for all who try it. It weighs 60 to 65 lbs. to the measured bushel while ordinary barley weighs only 48 pounds. The straw is very stiff and strong. It is the handsomest, most productive and best variety that we know. The heads are large and the kernels are large, without the hulls and are the large and somewhat white berry, plump, oval shape, that has ever been grown. It is a flattening barley, but can be equal to. It is a vigorous grower and can be sown after all the other grain is sown, and will mature before wheat or oats. Per lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 65c, bu. (48 lbs.) \$2.00; 2 bu. or more @ \$1.80, 10 bu. for \$17.00.

SUCCESS BEARDLESS BARLEY.

Earliest barley known. The straw is about the height of common barley, but better, and will stand up on any land. Many farmers will not grow barley on account of the long, harsh beards which are so disagreeable in threshing, although it is a profitable crop. This is beardless and as easy to grow and handle as oats. It has hulls like the Manshurian or any other old variety and is a heavy cropper yielding from 50 to 75 bushels per acre, and the quality is excellent, both for malting and for feeding hogs. Per lb. 25c, 3 lbs. 60c. By freight, pk. 60c, bu. \$1.60; 2 bu. or more @ \$1.50, 10 bu. for \$14.00.

I have used your seeds for fifteen years and find them the best by test.—L. M. Abel, Fayette, Iowa.



The
Irish Victor
OUTYIELDS
EVERY OTHER
VARIETY.

TRY IT!



need not be sown as thickly as other seeds. By freight, pk. 50c, bu. (52 lbs.) \$1.50, 2 bu. at \$1.35, 10 bu. for \$12.50

SILVER HULL BUCKWHEAT.

Very good, popular variety. Grain is of light gray color, rounder than the common variety, has a thinner husk, earlier and yields more. Lb. 25c, 3 lbs. 60c. By freight, pk. 50c, bu. \$1.50, 2 bu. or more at \$1.35; 10 bu. for \$12.50.

NEW HULLESS BUCKWHEAT.

A wonderful novelty, growing exactly like buckwheat, but the grain has no hull on and looks exactly like the grains of rye. It is a desirable novelty which we believe will pay farmers to try. Pkt. 10c, lb. 40c; 3 lbs. \$1.00, postpaid. By freight, ½ pk. 65c, pk. \$1.15, bu. \$8.50.

SEED OATS.

A change of seed oats is even more important than a change of seed potatoes, and it will pay you to renew your seed oats this year by sowing some of our improved varieties and thus increase your yield. Any variety, except where noted, at 25c per lb.; 3 lbs. 60c by mail postpaid.

PROSPERITY.—A grand novelty now offered for the first time and the heaviest grained of all. See description on page 26. Per pk. 65c, bu. \$2.00; 2 bu. or more at \$1.65.

IRISH VICTOR.—This variety which we introduced a few years ago has proved to be the most productive of any oat on the market and we believe it will surpass all except our new "Prosperity." It is probably known to but few farmers that almost all of the new varieties of oats originated in either Scotland, England, Northern Ireland or New Zealand, and it is to these countries we are obliged to look for improved sorts. The Irish Victor brought over from Ireland 8 years ago, has proved superior to all other sorts grown in the same section in vigor of growth, stiffness of straw, and productiveness. The straw is very stiff, holding the heavy head up well. It is fully as early as the Lincoln and yields more than that very productive variety. The grains are large, plump and heavy. Plant grows to medium height of vigorous growth, stools out exceptionally well, is free from rot and yields an immense crop. It is a close round headed variety not as much sprangled as some sorts, but still not a side head. Pk. 40c, bu. \$1.25, 2 bu. or more at \$1.10, 10 bu. or more at \$1.00, bags included.

The Irish Victor are the best and most productive oats I have ever raised. They have stiff straw and stand up better than any other sort.—J. J. Noonan, Powershiek Co. Iowa.

SWEDISH SELECT.—An early variety distributed by the U. S. Department of Agriculture and very highly recommended by them. Grain is usually very heavy and plump and is hardy and specially satisfactory in the north. Pk. 40c, bu. \$1.25, 2 bu. or more \$1.10, 10 bu. or more at \$1.00.

KEHRSON.—A very heavy yielding variety, but they are usually so yellow or dark colored that they do not sell well on the market. Pk. 40c, bu. \$1.20; 2 bu. or more at \$1.10, 10 bu. or more at \$1.00.

LINCOLN.—One of the very best and most popular varieties. Frequently yielding over 100 bushels per acre. What we claim for the Lincoln Oats is that it is a heavy header, is comparatively early, has proved itself to be entirely rust proof, and stands up exceptionally well. On account of its soft nib, heavy meat and thin hull it is unsurpassed for feeding and making into oatmeal. Per pk. 40c, bu. \$1.25, 2 bu. or more at \$1.10, 10 bu. or more at 90c.

The Lincoln Oats went about 25 per cent more per acre than other white oats on the same kind of ground. I sowed them just as I did the others.—C. F. Herrick, Buchanan county, Iowa.

EARLY CHAMPION.—This grand new variety which was introduced in 1884, has given excellent satisfaction to our customers and it gave the largest yield per acre of any variety in the test at the Iowa Agricultural College, and is highly recommended by them. This variety has comparatively short straw, matures a week to ten days earlier than other kinds, largely escaping the liability to rust. Its greatest value lies in its adaptability as a nurse crop to sow with grass seed, as it does not stool as freely as some other sorts. Will not lodge on rich land. Henry Wallace, editor of *Wallace's Farmer*, says: "I would rather risk growing grass seed with them than with any other variety I know of." Pk. 35c, bu. \$1.15, 2 bu. or more at \$1.00, 10 bu. or more at 90c.

SILVER MINE.—A popular variety in some sections; has the reputation of yielding immense crops of 100 to 160 bu. per acre. The grain is usually large, plump and heavy, but has a reasonably thin hull. It is quite a hardy, vigorous variety and has greatly pleased our customers. It stands up well and has shown little tendency to rust or lodge unless soil was very rich. Pk. 35c, bu. \$1.15, 2 bu. or more at \$1.00, 10 or more at 90c.

WINTER TURF.—This valuable grain in the south has proven quite desirable both for the grain and for winter grazing. Not usually hardy in Iowa. Sow any time from August until October. Pk. 60c, bu. \$1.50, 2 bu. or more at \$1.35.

BLACK TARTARIAN.—A very heavy grained productive black variety which has yielded 122 bu. per acre. Our seed is English grown and of extra choice quality. Per pk. 75c, bu. \$2.25, 2 bu. or more at \$2.10, 10 bu. or more at \$2.00.



SPRING EYE.
SPRING RYE.

This is quite different from the winter rye and is highly valued wherever known. It is not only more productive but the grain is of finer quality and it can be successfully grown in any latitude. The straw is of special value as it stands six or eight feet high, being better than that of winter rye and producing nearly four times as much straw as oats. Produces 30 to 40 bushels of grain to the acre. As it does not stool like winter rye, not less than two bushels to the acre should be sown. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 60c, 2 bu. or more at \$1.40.

MONSTER WINTER RYE.

We consider Winter Rye one of the most important of all farm crops. In the first place it is a sure crop, failures being almost unknown. Every farmer should have at least a few acres of it. It is usually sown in the fall and as it grows very vigorously, will furnish pasture till late in the fall and also early in the spring before other grasses have made a growth. So it is of great value to dairy farmers. If sown early in the spring it makes an early and abundant pasture, but makes no grain crop. Our Monster Rye is of extra quality. We are sure it will please you, no matter whether you want it for pasture or grain crop. Pk. 50c, bu. \$1.35, 2 bu. or more at \$1.25.



NATURAL SIZE

SOW DWARF ESSEX RAPE AND OBTAIN THE BEST HOG PASTURE YOU EVER HAD.

EARLY AMBER CANE.

Dairy farmers say that the Early Amber Cane is the most valuable fodder plant in existence for their use. Notwithstanding its great adaptability as a food for livestock it is only quite recently that the real value of sorghum (or sugar cane) has attracted general attention. Its great merit is now beginning to be appreciated. It is of the very best quality, being sweet, tender, nutritious and greedily eaten by cattle, horses and hogs. Dairymen find that the cows will give more and richer milk from its use and it is claimed that as high as ten tons of fodder have been grown per acre. It can be grown successfully in any part of the country, from Canada to Texas, and from the Atlantic to the Pacific. It is one of the best plants to withstand drought and unfavorable weather and is therefore a comparatively sure crop, and a larger crop is often produced from one acre than from three to five acres in hay. It is usually put in during the first half of June, sowing 100 pounds per acre broadcast, or 60 to 75 pounds per acre if sown with a wheat drill. Cut in September or just before frost with a mower and cure like hay, or with a binder and stand the bundles up. Many varieties of cane are used but we consider either the Black Seeded or Red Seeded Amber the most desirable. If wanted for sorghum purposes we recommend sowing the Kenney's, which is pure, but this cheaper grade is about as desirable for fodder purposes. Price is subject to market changes but it usually advances later in the season. Per lb. 20c, 3 lbs. 50c. By freight; 10 lbs. 50c, 25 lbs. 85c, 100 lbs. \$2.25; 500 lbs. or more at \$2.00.

KENNEY'S IMPROVED AMBER CANE.

An improved variety which will make the very finest grade of beautiful amber syrup of delicious flavor and many persons will prefer it for table use to either maple syrup or honey. It is said that over 250 gallons have been produced per acre, and when boiled down making over 3,200 lbs. of sugar. Why not supply your own table in this way, as it is as easily grown as a crop of corn and succeeds well in all parts of the United States, from Minnesota to Texas. It requires only 5 lbs. of seed per acre. Per lb. 25c, 3 lbs. 65c. By freight, 10 lbs. \$1.00, 25 lbs. \$2.00, 50 lbs. \$3.50, 100 lbs. \$6.00.



EARLY AMBER CANE.

TEOSINTE.

A fodder plant grown largely in some parts of the country. Somewhat resembles corn in its general appearance, but the leaves are much longer and broader and the stalks contain sweeter sap. In its perfection it produces a great number of shoots growing as much as 12 feet high, very thickly covered with leaves. Eighty-five stalks have been grown from one seed, attaining a height of 11 feet. Horses and cattle eat it as freely as young sugar corn. Plant as soon as ground becomes warm at usual corn planting time, in hills, 3 to 4 feet apart each way, two seeds to the hill. Teosinte is one of the heaviest yielding forage plants known, having yielded 50 tons of fodder to the acre. Large pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 80c, 3 lbs. (sufficient for one acre) \$2.00, by mail prepaid.

UPLAND RICE.

An early variety which can be grown on any ordinary land without irrigation, although it prefers a moist situation, and has matured in Illinois. Its growth is similar to wheat. Sow early in drills 2 feet apart, and drop the seeds one inch apart in drills, covering about 1 1/2 inches, one peck per acre. It stools out very heavily. Price per pkt. 5c, 1/4 lb. 15c, lb. 40c, 3 lbs. \$1.00 postpaid. By express or freight, 1/2 pk. 65c, pk. (11 lbs.) \$1.40, bu. \$4.50.

SEED FLAX.

It will pay you to sow nice, pure high grade flax seed. It is one of the most profitable crops, especially on new land. Price subject to changes. Pkt. 65c, bu. \$2.00, 10 bu. or more at \$1.85.

GIANT SPURRY.

Excellent for pasture and grows so well on poor, dry, sandy soil that it has been called "the clover of sandy land." It is readily eaten by sheep and cattle. Sow broadcast in March, April or May. Pkt. 5c, lb. 30c, 3 lbs. 75c, postpaid. By freight, 10 lbs. \$1.25, 50 lbs. \$4.50, 100 lbs. \$8.75.



GRAINS OF SPELTZ.

SPELTZ.—A Valuable New Grain From Russia.

This most wonderful new grain was first introduced in this country by the Iowa Seed Co., and has proved of great value, and is now listed by almost all of the leading seedsmen. It is botanically known as *Triticum Spelta* or *Emmer*, and is supposed to be the grain grown in Egypt in the time of Moses. It is mentioned several times in the Bible. For centuries past it has been grown in a limited way in Eastern Russia, near the Caspian Sea, its value not being known to the civilized world. Is of high value for feeding and will make a fair grade of flour similar to rye. Will grow well and produce immense crops on poor soil, and dry weather appears to have no effect on it; will make a good crop with almost any condition of soil climate. It makes excellent pasture and good hay if cut at proper season. Yields 70 to 100 bushels of grain to the acre, besides several tons of straw for feeding. The grain is much richer than corn for feeding and of superior quality for fattening hogs, cattle, sheep, poultry, etc. May be sown in the spring or fall, 50 to 75 lbs. per acre. Per lb. 25c, 3 lbs. 60c, postpaid. By freight pk. 50c. bu. (35 lbs.) 90c; 2 bu. or more, at 85c; 10 bu. or more at 80c.

PENCILARIA.

This wonderful fodder plant has proved a great boon to farmers, especially in dry sections of the country where they have been delighted with it. It does not do so well during wet seasons being particularly a dry, hot weather plant. It is an improvement on the *Penicillaria Spicata* (Pearl Millet) being much better adapted to growing in the north and producing a good crop where Pearl Millet is a failure. The seed is very small, and when it first comes up it looks like grass, but very soon changes its appearance so that it more nearly resembles corn, growing very rapidly and having broad, succulent leaves. It stools out wonderfully, our customers reporting as high as 75 stalks grown from one seed. Sow in May or June in drills 24 to 36 inches apart, using 2 lbs. seed per acre, or broadcast 15 lbs. per acre. Per pkt. 5c, 1/4 lb. 15c, lb. 35c, 3 lbs. \$1.00 postpaid. By express per lb. 25c, 5 lbs. \$1.00, 25 lbs. \$3.75, 100 lbs. \$13.50.



TEOSINTE.



KAFFIR CORN.

This is a most excellent fodder plant, yielding two crops of fodder during a season. It grows from five to six feet high, making a straight, upright growth. The stem or stalk bears numerous wide leaves. The stalks keep green and are brittle and juicy making excellent fodder either green or dried. The seed crop is also heavy, sometimes yielding sixty bushels to the acre. Both grain and fodder are excellent. The stalk remains tender to full maturity of the seed. There is no failure about it as it possesses the quality that all the tribe possess, of going without rain without any loss of capacity to yield. The grain is extremely valuable for feeding to poultry and will make four that is like wheat. Cultivated the same as our common Indian corn, requiring five pounds of seed per acre. For fodder sow one-half to one bushel, either broadcast or in drills. Pkt. 5c, lb. 20c, 3 lbs. 50c. By freight, pk. 40c, bu. (56 lbs.) \$1.35, 2 bu. or more at \$1.25.

JERUSALEM CORN.

Claimed by practical growers to be an improvement on Kaffir corn as it is a surer crop in unfavorable seasons. Produces a large crop of fodder, which is of very good quality. Seed white and nearly flat. Yields a good grain crop also. Three or four pounds will plant an acre in drills, 40 to 50 lbs. broadcast. Pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, pk. \$1.00 bu. (50 lbs.) \$3.50, 2 bu. or more at \$3.20.

AUSTRALIAN SALT BUSH.

A valuable plant for soils containing alkali and for all regions subject to prolonged drought. Desirable to furnish forage during the hot dry summer months in our western and southern states. Not hardy in the north. It needs some little moisture to start it into growth but when once started it will make a strong growth during the hottest and driest weather. Is a spreading habit, branching freely and making a thick mat of stems and foliage 12 to 18 inches in depth over entire surface of the soil. Pkt. 5c, oz. 15c, 1/4 lb. 40c, 1 lb. \$1.25.



PENCILARIA.

DWARF ESSEX RAPE.

This is beyond all question the most popular and profitable of all forage plants, and everywhere it is giving the best satisfaction. It is easily grown anywhere and stands unsurpassed as a forage plant for hogs, cattle or sheep. They eat it greedily and seem to prefer it to any other pasture during the summer and till late in the fall or early winter. It can be sown early in the season to earlier pasture for sheep and swine or sow in small grain a week or so before cutting to provide pasture after harvest, or sow on the stubble, but it is usually sown in June, July or Aug. with corn or potatoes or on well prepared land alone for summer and fall pasture. Makes a wonderfully productive pasture for sheep, hogs and cattle, and they gain flesh so rapidly that they soon "weigh like lead." While it is the ideal food for sheep still it is of equal value for hogs and cattle as they are very fond of it. It is extremely cheap and very prolific, having **yielding twenty tons of fodder per acre.** In the east it is usually sown in drills, two or three pounds per acre, and cultivated, but in western states it is almost invariably sown broadcast, or five pounds per acre, and grows so rapidly that when it is thickly smothered. A Nebraska farmer says that he sowed only three pounds per acre on a four and one-half acre field, and five weeks after sowing he turned eighty head of hogs and forty pigs into the field and they pastured there constantly until October. The plants grew so rapidly that at no time could he tell where the hogs had been twenty feet away from the gate. Our seed is the best quality, direct from Essex, England, and far superior to the cheap Dutch grown seed. Per pkt. 5c, 1b. 30c, 3 lbs. 75c postpaid. By freight, 5 lbs. 60c, 10 lbs. \$1.00, 25 lbs. \$2.00, 100 lbs. \$7.50. Write for circular on growing rape

**FIELD PEAS.**

For northern states there is no crop of greater value than field peas, and none is more neglected, which can only be attributed to a lack of knowledge as to their merits as a fodder being very rich in the elements that improve the muscle, bone and nervous system. Sow as early as the ground can be worked using two bushels of peas and two bushels of oats per acre.

SCOTCH BEAUTY PEAS.—Best blue field pea. Will yield an immense crop of superior quality. Per peck 70c, bushel \$2.25, 2 bushels or more @ \$2.00.

WHITE CANADA PEAS.—More used than any other. Per peck 60c, bushel \$2.00, 2 bushels or more at \$1.85

WHIP-POOR-WILL COW PEAS.—The

most highly valued plant in the south for odd and reclaiming old and worn out land as it is a leguminous plant of special merit as a fertilizer. The vines when fed green make the best fodder and are very nourishing. The Whip-poor-will is the most popular sort and yields a good crop of both fodder and peas. When ripened the ground peas make the best cattle fatteners. Pkt. 5c, 1b. 25c, 3 lbs. 60c; by freight, pk. 90c, bu. \$2.75, 3 bu. or more at \$2.60.

NEW ERA COW PEAS.—Similar to above but much earlier and therefore more desirable for growing in the north. Pkt. 5c, 1b. 25c, 3 lbs. 60c; by freight, pk. 90c, bu. \$3.00, 2 bu. or more at \$2.80.

IDAHO COFFEE PEAS.—A new substitute for coffee not at all resembling the German Coffee Berry. It is a native of Idaho, and has been grown largely in Colorado and elsewhere producing immense crops at a low cost, one plant sometimes bearing as many as one thousand pods. When roasted and ground it has the flavor of coffee. Pkt. 5c, 1b. 15c, 1b. 40c, 3 lbs. \$1.00.

MAMMOTH WHITE ARTICHOKE.

An improvement on the Jerusalem Artichokes. *The greatest hog food known.* These are attracting much attention owing to their great fattening properties, great productiveness (over 1,000 bushels having been grown on one acre), and easy culture. They need not be dug in the fall; hogs should be turned on them, and will help themselves by rooting for them. One acre will keep 20 or 30 head of hogs in excellent condition from October until April except when ground is frozen solid. Plant in April or May, 3 to 5 bushels per acre, Lb. 25c, 3 lbs. 60c, postpaid; by freight or express, pk. 60c, bu. \$1.75, 3 bu. or more at \$1.50.

TENERIFFE CANARY GRASS.

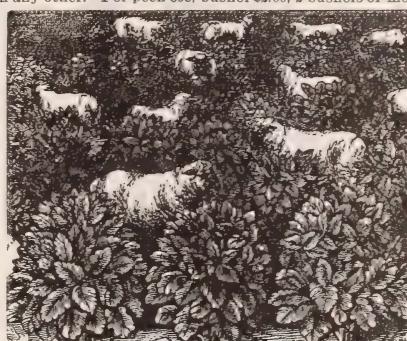
A productive grass from the Canary Islands which succeeds in all parts of America. It has been tested for several years past in a small way in various parts of the country and has proven to be a good pasture grass and has yielded a handsome crop of good hay. It has also proven profitable to grow for the seed, yielding about 1,000 to 1,400 pounds per acre, and the straw of hay after the seed has been threshed out retains much of its nutritive value, being considered better than millet, and relished by the cattle. Sow early in spring about 25 lbs. per acre. Price, large pkt. 10c, 1b. 35c, 3 lbs. 90c, postpaid. By freight, 10 lbs. \$1.50, 25 lbs. \$3.00, per bushel (50 lbs.) \$5.50.

MAMMOTH RUSSIAN SUNFLOWER.

Largest sunflower. This is one of the best paying crops that can be raised. Seeds are the best of food for poultry, and is much cheaper than corn. Stalks make good fire wood. Large pkt. 5c, 1b. 20c, 3 lbs. 35c; by freight, 10 lbs. 75c, bu. or 25 lb. \$1.50.

WILD RICE.

The only one of our native plants furnishing food for wild fowl, ducks, geese, etc., which has been made an article of commerce. This seed can be sown on the borders of lakes, ponds, and along small streams to advantage attracting these wild birds from September on. It purifies the water and affords a refuge to the small fry, from the large fish. It makes a good hay and all cattle are fond of it. Sow in water having a mud bottom. Per pkt. 5c, 1b. 30c, 3 lbs. 75c, postpaid. By freight, 10 lbs or more at 20c, 100 lbs. \$17.00

THOUSAND HEADED KALE.

THOUSAND HEADED KALE.

Will yield a much heavier crop than Dwarf Essex Rape and is now considered much superior to the rape in some sections. The seed can be sown early in April or any time thereafter till midsummer. It grows to a height of 3 to 4 feet, and is so covered with small whorls of leaves that the name of Thousand Headed Kale was given it. Sow broadcast 3 lbs. per acre, or in rows eighteen inches apart, using 1 lb. per acre. Pkt. 5c, 14 lb. 15c, 1lb. 50c postpaid; 5 lbs. or more by express at 35c.

EARLY SOJA BEANS.

Also Called Soy Beans or Coffee Berry.

During recent years this variety has been largely sold under the name German Coffee at extremely high prices, but we prefer to offer it under its correct name. The berries ripen in about three to four months from the time of planting and produce a crop of 20 to 40 bushels to the acre. When roasted and ground it closely resembles coffee and tastes similar. Some mix half and half when using and claim it is superior. Its great value to the farmer lies in the fact that when ground it makes one of the most valuable crops for feeding stock and adds very greatly to the milk production. The ordinary Soja beans are late to mature here, but this variety ripens in all the northern states. Plant in drill's two or three feet apart and one foot between plants. Per packet 5c, 1b. 30c, 3 lbs. 75c, postpaid. By freight, peck \$1.00, bushel (50 lbs.) \$8.65.

IMPROVED PROLIFIC TREE BEANS.

Also called California Wonder. Undoubtedly the most prolific bean grown, and it will yield a larger crop under ordinary circumstances than any variety we have ever seen. On our farm it yielded a crop of forty-one bushels per acre. The beans are pure white, of small size, greatly resembling the "Navy." Per packet 5c, $\frac{3}{4}$ pint 12c, quart 35c; by freight, peck \$1.25, bushel \$4.00.

IMPROVED, NAVY, or BOSTON PEA BEANS.

A wonderful improvement over the old-time Navy Bean, and in every way superior to the Michigan pea bean. This variety makes a very desirable farm crop, especially in the far north. Per packet 5c, $\frac{3}{4}$ pint 12c, quart 35c, postpaid; by freight, peck \$1.00, bushel \$3.25; 2 bu. or more \$3.00.

BROOMCORN.

CALIFORNIA GOLDEN.—Carefully selected and improved so that the brush is straight and long, a very large proportion of it being suitable for huri. Of fine quality, light green color, turning to light yellow when allowed to become too ripe. Per lb. 25c, 3 lb. 65c; by freight, pk. 75c, bu. (50 lbs.) \$2.50.

EVERGREEN.—Largely grown in western states. Brush noted for fine quality, good length and handsome appearance. Per lb. 25c, 3 lb. 65c, by freight, pk. 70c, bu. \$2.25.

DWARF.—Popular in some sections, matures late. Per lb. 25c, 3 lbs. 65c; by freight, pk. \$1.00, bu. \$8.00.

TREE AND HEDGE SEEDS.

BY MAIL POSTPAID.

Variety.	Pkt.	Oz.	4-Lb.	Lb.	Variety	Pkt.	Oz.	4-Lb.	Lb.		
Apple05	.10	.30	.90	Locust, Honey	....	.05	.10	\$.25	\$.75
Ash White05	.10	.20	.60	Mulberry, Russian	....	.10	.35	1.00	3.25
Box Elder05	.10	.20	.60	Osage Orange	....	.05	.10	.25	.75
Catalpa H'dy	.05	.10	.25	.85	Tree of Heaven	....	.05	.10	.25	.75	
Locust Black05	.10	.25							

GRASS SEEDS

NEW CROP
TESTED
INSPECTED

FOR about thirty-five years we have made a specialty of supplying western farmers with the choicest grades of new crop, recleaned, tested clover and grass seed, and we now have not only the largest seed business but also the best electric seed cleaning machinery of any firm in this part of the country. Our seeds are therefore cleaner and better than most other dealers can make them, and we are enabled to sell the same quality on a closer margin of profit. Of course you will realize that it costs far more to raise and harvest a seed crop than an ordinary crop, and we employ seed experts and pay them high prices, but you receive the benefit of their most careful labor.

CLEAN SEEDS.

Other seed dealers who have happened to be in our warehouse when we were cleaning clover, have often remarked that the seed looked so extra nice they should not reclean it. From these same lots of seed we were cleaning out three to five pounds per bushel of trash, sand and shrunken clover seed. This makes quite a difference in real value, and our seed is really worth \$1.00 to \$2.00 per bushel more than that obtained from most dealers. The Nebraska Experiment Station tested clover seed from the leading seed firms of the country, and our seed stood the highest for purity of any west of Pennsylvania, and with one exception, the highest of any in the United States.

IOWA SHIELD BRAND SEEDS.

The farming lands of Iowa and the west are increasing so rapidly in value that in order to make farming profitable it is necessary to have the purest and best seed possible. Fully realizing the importance of first-class seed we make great pains to secure the choicest seed obtainable, and this year we have spent considerable time and money searching among the best seed growers and secured some lots of exceptional purity and value. These we have thoroughly recleaned, tested and carefully inspected under the microscope for foul weeds, and to distinguish them from all ordinary grades, we call our best grade the "Iowa Shield Brand." It is shipped in sealed and branded bags.

WHAT THE MICROSCOPE REVEALS.

Few farmers realize the large per cent of impurities contained in the ordinary grades of clover and grass seeds. In 1906 the Iowa clover crop was a failure and large quantities of seed were shipped in from the east. The State Botanist at the Iowa Agricultural College analyzed 130 samples and almost every sample was full of bad weed seeds. 21 of the samples contained Canada Thistle, 98 contained Buckhorn and 10 contained Dodder. One sample contained 10,304 weed seeds to the pound including 14 varieties, besides the dirt, sand, trash and dead clover seed. **You cannot afford to sow such seed on your land.** You cannot afford to buy the imported nor eastern seed as it would cost you too much to exterminate their bad weeds.

TIMOTHY.—No variety of our natural grasses is more cultivated than timothy, and for meadows it is very valuable. It is best suited to moist, rich, strong and loamy soils, where it grows to perfection, but does not succeed as well on dry, sandy soil. It is very nutritious, and makes good hay, but should be cut at the time of flowering. We are located in the best section of the country for growing timothy seed, and more of it is grown in Iowa than in any part of the world. Our Iowa Standard grade is new crop and will please you; sow 11 lbs. per acre. Per lb. 20c, 3 lb. 50c, postpaid. By freight per bu. (45 lbs.) \$2.50, 5 bu. or more at \$2.40 bags included.

"IOWA SHIELD" TIMOTHY.—There is not more than one field of timothy in a hundred which produces this extra choice grade. It is very bright in color, but little hulled, almost absolutely free from impurities and of high vitality, and therefore requiring only about 8 lbs. of seed per acre. Per lb. 25c 3 lbs. 60c postpaid. By freight, per bu. 90c bu. \$3.00, 5 bu. or more at \$2.90, bags included.

A COMPARISON.

Is our Iowa Shield Brand really worth the difference in price? Take Medium Red Clover, for instance, and compare values:

Grades	Price Per Bu.	Sow Per Acre	Cost Per Acre
Iowa Shield Brand.....	\$11.75	10 lbs.	\$1.95
Iowa Standard Brand.....	10.50	12 lbs.	2.10
Ordinary Grade.....	9.60	15 lbs.	2.40
Low Grade.....	6.00	30 lbs.	3.00

You Run No Risk when you purchase our "Iowa Shield" Clover and Grass Seeds, for if they are not satisfactory on receipt and examination you may return them and money paid for same will be refunded. You can also test them yourself if you desire to do so. Of course we do not guarantee them to grow or produce a perfect crop as we have no control over the manner of sowing or weather conditions, but we do our best to have everything first-class. We can furnish also cheaper grades if desired which may answer for some purposes, but we do not like to recommend it.

USE OUR IOWA SHIELD BRAND CLOVER TIMOTHY AND GRASS SEEDS IF YOU WANT THE BEST.



OUR IOWA SHIELD BRAND of Clover, Timothy and other seeds is strictly new crop of exceptional purity and has been thoroughly recleaned on the best electric seed cleaning apparatus made. It is plump, nice seed, carefully tested and proven to be of strong germinating qualities. It is sure to produce vigorous, healthy plants and an exceptionally good crop if the weather and soil conditions are not unfavorable. It pays to sow the best seeds obtainable and our Iowa SHIELD brand is, we are sure, superior to any other.

A WARNING.—During the past few years immense quantities of low grade, impure and adulterated clover containing the most noxious weed seeds have been imported from Europe, Canada and Chili and shipped to the farmers of this state. In some cases where samples have been sent to the Department of Agriculture reports show that the seed contained Canada Thistle, Dodder, Wild Mustard, etc., and farmers have burned the seed instead of sowing it.

The IOWA PURE SEED LAW prohibits all Iowa dealers from selling such seed, but it does not prevent dealers in other states shipping in the vile stuff. It won't pay you to run any risk, so be sure to buy direct from the Iowa Seed Company.

Our Iowa STANDARD grade of clover, timothy and other seeds is really a choice grade which comes fully up to the requirements of the Iowa Pure Seed Law in purity and vitality, and is, we believe, as good seed as you could obtain from most other dealers, but it is not equal to our IOWA SHIELD BRAND.

PRICES.—Clover and Grass Seeds are sold on a very close margin of profit and the market value is changing almost daily, and we are unable to make prices which will be invariably. **Don't fail to write for prices before buying.** We issue a price list each week from January to June. If you are in a hurry for the seed you can order it and we will send seed to full value of money sent on day order is received. The following are the prices we are selling at on the date this catalogue goes to press (December 4th). We prepare postage at the 1 and 3 pound rate; larger quantities shipped at purchaser's expense. Trial packets of any variety at 5 cents each.

BROMUS INERMIS.—The *BAGS FREE* Remember that we make most valuable new grass which has been introduced into this country during the past twenty-five years, and is used everywhere, from Canada to Texas, giving satisfaction. It will produce a wonderful crop of hay on land which is too poor for clover or timothy, and it resists intense cold, and also the most hot, dry weather. Forms a quick and dense sod and is a permanent grass. Grows 18 to 36 inches in height and can be cut two or three times per year. Should be sown early in the spring using 20 to 25 lbs. per acre if sown alone, or if with alfalfa use 12 lbs. with 8 lbs. alfalfa. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, per bu. (14 lbs.) \$2.50, 5 bu. or more at \$2.25.

ITALIAN RYE GRASS.—An annual variety which will give a large crop the first year. Sow 20 lbs. per acre. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, per bu. (14 lbs.) \$2.00, 5 bus. or more at \$1.80.

PERENNIAL RYE GRASS—*Or English Rye Grass.*—A nutritious permanent grass for meadows and pasture or for mixing with other grasses for lawn. It is also well adapted for permanent meadows and yields large quantities of very nutritious hay. Sow 20 lbs. per acre. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, per bu. (14 lbs.) \$1.75, 5 bus. or more at \$1.60.

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KY. BLUE GRASS.

TALL MEADOW OAT-GRASS.—For either hay or a permanent pasture a most valuable grass, which can be successfully grown in all parts of the country. Grows tall and therefore desirable for meadow. Does not winter kill. Per lb. 35c. 3 lbs. \$1.00, postpaid. By freight, bu. (14 lbs.) \$3.00, 5 bu. or more at \$2.75.

KENTUCKY BLUE GRASS.—*Fancy Cleaned.* Very valuable and popular as a permanent pasture grass. It is productive and unusually early in spring, furnishing delicious food for all kinds of stock. Unexcelled for lawns. Our seed is all new crop, Kentucky grown and "fancy cleaned." Sow 14 lbs. per acre for pasture, or 60 to 100 lbs. for lawns. Per lb. 40c. 3 lbs. \$1.10, postpaid. By freight, bu. (14 lbs.) \$3.00, 5 bu. or more at \$2.90.

IOWA SHIELD KENTUCKY BLUE GRASS.—We pride ourselves on this extra choice grade, which is of such unusual purity and high germination that it is of special value for lawns. 45c. 3 lbs. \$1.25 postpaid; by freight bu. (14 lbs.) \$3.50, 5 bu. or more at \$3.25.

SWEET VERNAL.—Valuable on account of its delicious perfume; when included in hay its aroma is imparted to other grasses, enhancing the value of the hay, and making it relished by the stock. Per lb. 35. 3 lbs. 85c. By freight, bu. (14 lbs.) \$2.00, 5 bu. or more at \$1.75.

CREEPING BENT GRASS.—Of special value for pasture and low ground. Starts early deep rooted and a valued sort for holding sloping ground or terraces together. Sow 15 lb. per acre. Lb. 35c. 3 lbs. \$1.00, postpaid. By freight, bu. (14 lbs.) \$3.00, 5 bu. or more at \$2.75.

MEADOW FESCUE, or English Blue Grass.—Succeeds well in almost all soils, from high dry land to moist, standing the heat excellently. It is valuable as a pasture grass, being one of the earliest in the spring and latest in the fall. It is very nutritious. Lb. 30c. 3 lbs. 75c, postpaid. By freight bu. (14 lbs.) \$2.10, 5 bu. or more at \$1.95.

MEADOW FOXTAIL.—A fine grass for permanent pasture. Its growth resembles timothy. Sow 14 lb. per acre. Per lb. 50c. 3 lbs. \$1.35, postpaid. By freight, bu. (14 lbs.) \$4.50, 5 bu. or more at \$4.35.

RED TOP.—A very hardy native perennial grass, succeeding best on moist land. It remains green for the greater part of the year. In the east it is one of their principal sorts, but it is not so highly valued here. Fancy cleaned or solid seed. Per lb. 30. 3 lbs. 75c, postpaid. By freight, per bu. (14 lbs.) \$2.00, 5 bu. or more at \$1.80.

BERMUDA GRASS.—The most valuable grass for the southern states, and it withstands heat and drought wonderfully well. It is valuable for hay and pasture and unsurpassed for lawns in the south, as it runs over the ground, forming a dense turf. Sow 8 lbs. per acre. Lb. \$1.10, 3 lbs. \$2.75, prepaid; 5 lbs. not prepaid @ 65c per lb.

RED FESCUE.—For meadows or pastures on dry, hard or sandy soils. It is very hardy, a true perennial, growing about 1 to 2½ feet high. Per lb. 35c. 3 lbs. \$1.00, postpaid. By freight, per bu. (14 lbs.) \$3.25; 5 bu. or more at \$3.00.



MEADOW FESCUE.

ORCHARD GRASS.—A valuable grass for pasture or hay land, and on account of its earliness very valuable for *Permanent pastures*. It furnishes the first green bit in the spring and the last in the fall, and is quick to recover from close cropping, and even thrives better the more it is cropped. It is well suited to shady places, such as orchards and groves. Sow 14 lbs. per acre. Per lb. 35c. 3 lbs. \$1.00 postpaid; by freight, per bu. (14 lbs.) \$2.65, 5 bu. or more @ \$2.50.

SHEEP'S FESCUE.—Suited to light, sandy soil, and dry uplands or hillsides. It is deep rooted, and not affected by extreme drought. Sheep are especially fond of it. Sow 14 lbs. per acre. Per lb. 35c. 3 lbs. \$1.00, postpaid; by freight, per bu. (14 lbs.) \$1.75, 5 bu. or more @ \$1.65.

WATER FESCUE.—A perennial grass with long, creeping roots, which is desirable for sowing on low, wet ground, in shallow ponds, beside lakes, rivers, etc. Per lb. 50c. 3 lbs. \$1.10, postpaid; by freight, per bu. (14 bus.) \$4.50, 5 bu. or more @ \$4.25.

CRESTED DOGSTAIL.—For permanent pastures, especially on high land and hard, dry soils and hills. Is very hardy, and but little affected by extreme drought or cold weather. Per lb. 50c. 3 lbs. \$1.35, postpaid; by freight, per bu. (14 lbs.) \$4.75, 5 bu. or more @ \$4.50.

WOOD MEADOW GRASS.—It is invaluable for wood pasture or shaded ground, and should be included in all mixtures for permanent pastures, especially in shady places. Sow 20 pounds per acre. Per lb. 50c. 3 lbs. \$1.25, postpaid; by freight, per bu. (14 lbs.) \$5.00, 5 bu. or more @ \$4.75.

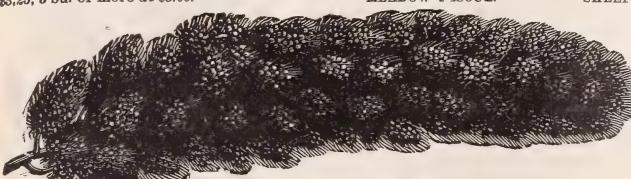
MEADOW SOFT GRASS.—Although not of high feeding value, it is very valuable for low, soft, spongy places, where other grasses don't succeed. It is very productive, a hardy perennial, 18 to 20 inches high. Per lb. 35c. 3 lbs. \$1.00, postpaid; by freight, per bu. (14 lbs.) \$2.50, 5 bu. or more @ \$2.25.

WATER, or Floating Meadow Grass.—For wet soils, marshes and lands which occasionally overflow. Per lb. 50c. 3 lbs. \$1.10, postpaid. By freight per bu. (14 lbs.) \$4.75, 5 bu. or more at \$4.50.

HARD FESCUE.—Is emphatically a grass for dry lands, doing well on sandy and shallow siliceous soils. It is exceedingly hardy and withstands extremes of heat, cold and drought. Per lb. 35c. 3 lbs. \$1.00, postpaid; by freight, per bu. (14 lbs.) \$1.75, 5 bu. or more @ \$1.65.

SAND VETCH, or Winter Vetch.—A comparatively new forage plant which has proved of high value, and is highly recommended by the U. S. Agricultural Department. Though it succeeds and produces good crops on poor sandy soil, it is most vigorous on good land and grows to a height of 4 to 5 feet. It is perfectly hardy throughout the United States, remaining green all winter. It is exceedingly nutritious, much more so than clover, is eaten with relish, and may be fed with safety to all kinds of stock. It is the earliest for cutting and a full crop may be taken off the land in time for planting the spring crops. Sow ½ bushel per acre in spring or fall. Pkt. 5c. lb. 30c. 3 lbs. 75c, postpaid. By freight, pk. \$1.60, bu. (60 lbs.) \$5.75, 2 bu. or more @ \$5.50.

IT PAYS TO USE A HAND SEED SOWER in order to get the seed evenly distributed over the land. The Indiana Broadcast Seeder is the most popular. It is force feed and is operated with a crank. It does good work and we sell hundreds of them. Described on page 96. Price \$1.50.



GERMAN MILLET.

MILLETS.

There is nothing like millet for sowing to cover up shortage in your hay crops. It can be sown up to the middle of end of July and makes a valuable catch crop. Grain bags included.

GERMAN MILLET.—Matures about two weeks later than common millet. It grows 4 to 5 feet high, yielding an abundance of leaves; heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough sheaths. Sow one bushel to the acre. Our "Iowa Standard" brand will be found very desirable. Price subject to important market changes. Per lb. 20c. 3 lbs. 50c, postpaid. By freight, pk. 50c. bu. (50 lbs.) \$1.40, 5 bu. or more @ \$1.30.

IOWA SHIELD GERMAN MILLET.—This is an extra fancy grade of the true southern grown German Millet of the Tennessee or cultivated strain. The seeds are round and "shotty." The heads are very large, borne on a strong, vigorous, very leafy plant and produces a much heavier crop than the ordinary stock. Try it and you will be surprised at the big yield. Per lb. 25c. 3 lbs. 60c, postpaid. By freight, pk. 50c. bu. (50 lbs.) \$1.73; 5 bu. or more @ \$1.65.

COMMON MILLET.—Best quality. Preferred by some to German. By freight, per pk. 50c. bu. (50 lbs.) \$1.40, 5 bu. or more @ \$1.30.

HUNGARIAN.—Popular in some sections. Pk. 50c. bu. (50 lbs.) \$1.65.



ORCHARD GRASS.



has been tested by the Agricultural Experiment Stations in various parts of the country and ranks among the highest everywhere. Well posted farmers are beginning to appreciate the difference between it and ordinary stock. It pays to have the best. **Iowa Standard Grade**—Sow 12 lbs. per acre. Per lb. 30c, 3 lbs. 85c, postpaid. By freight, pk. \$2.75, bu. (60 lbs.) \$10.50, 5 bu. or more at \$10.35, bags included.

Iowa Shield Medium Red.—The plumpest, cleanest, purest, best grade tested and of high vitality. Farmers usually sow it to 20 lbs. of clover seed to the acre when sown alone, but this seed is so choice that 6 or 7 lbs. is really sufficient if conditions are favorable but we recommend sowing 10 lbs. so as to be sure of a perfect stand. About 5 lbs. if sown with timothy. Per lb. 35c, 3 lbs. 90c, postpaid. By freight, pk. \$3.10, bu. (60 lbs.) \$11.75, 5 bu. or more at \$11.60, bags included.

MAMMOTH RED CLOVER.—Also called Sapling or Pea Vine Clover. This greatly resembles the Medium Red, but is of much taller and more vigorous growth. Nothing equals it for hog pasture as it will produce an enormous yield and is of the highest feeding quality. It gives quick results, making an unequalled crop and is usually considered a permanent pasture grass. If your soil is poor and needs enriching there is no fertilizer as cheap and good as sowing Mammoth clover and plowing the crop under. It is the crop for poor soils. **Iowa Standard Grade**, sow 12 lbs. per acre. Per lb. 35c, 3 lbs. 90c, postpaid. By freight, pk. \$2.80, bu. (60 lbs.) \$10.65, 5 bu. or more at \$10.50, bags included.

Iowa Shield Mammoth Red.—Of superior quality, sow 10 lbs. per acre. Per pk. \$3.15, bu. \$12.00, 5 bu. or more at \$11.85, bags included.

ALFALFA, or Lucerne Clover.—Very popular in many portions of the country. Under proper management it will yield from ten to twelve tons to the acre. All classes of stock are exceedingly fond of it. The roots are so long and grow so deep, frost cannot heave or throw them out in winter. One sowing will stand for twenty years, and instead of impoverishing the soil, enriches it. Grows on the thinnest sandy soil and thrives in greatest drought. **Iowa Standard Grade**.—Sow broadcast about 25 lbs. to the acre. Per lb. 35c, 3 lbs. 90c, postpaid. By freight, per pk. \$2.75, bu. (60 lbs.) \$10.50, 5 bu. or more at \$10.35, bags included.

Iowa Shield Alfalfa.—An extra choice pure grade. Sow 20 lbs. per acre. Per pk. \$3.00, bu. \$11.50, 5 bu. or more at \$11.35, bags included.

Mr. Davidson, of Ottawa county, Kansas, says that his Alfalfa Clover produced four crops of hay—8 tons, value \$4.00 per ton in the country, or \$32.00; also a yield of 11 bu. of seed, worth \$8 per bu. or \$88, making a total \$120 per acre in one season, ten times the value of the land. How would that kind of a crop suit you? Better try Alfalfa this year.

TURKESTAN ALFALFA.—This new variety was sent out by the Department of Agriculture five years ago and has given excellent satisfaction. More hardy than the ordinary variety, having stood a temperature of 45 degrees below zero when ground was bare. Makes large top growth; also fine root growth. Pkt. 5c, 1b. 35c, 3 lbs. \$1.00, postpaid. By freight, pk. \$2.50, bu. \$11.00; 5 bu. or more at \$10.85.

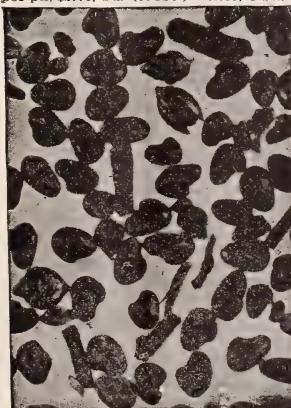
JAPAN CLOVER.—Grows freely on poor soil. Not a true clover. Per lb. 60c, 3 lbs. \$1.50 postpaid; 5 lbs. or more by freight at 40c.

A PROPOSITION

If any seed ordered from us is not satisfactory return it at once and we will return your money.



ALFALFA CLOVER.



ORDINARY CLOVER.

As it comes from the huller, full of weed seeds trash and sand. If you buy low grade seed, you not only risk filling your land with weeds but you are also paying for each pound of weed seed and trash.

CLOVER SEED.

The clovers are beyond comparison of the greatest importance to agriculture, not only on account of their great value for pasture and hay production but because their cultivation adds so greatly to the fertility of the soil, enriching in nitrogen and restoring it when exhausted by frequent cropping. It is impossible to secure the best results from any farm without clover and therefore the main question to decide is which variety will be best adapted to your purpose and do the best on your land. All plants need nitrogen but only a few kinds, such as clover, (all varieties) peas and beans, have the power of collecting nitrogen from the air and storing it in their roots, so, no matter if you cut two or more crops of hay per year the nutrient in the root adds immensely to the fertility of the soil. While the crop in Iowa is not large, still we have a quantity of new crop seed which would please you. The demand for our "Iowa Shield" Brand (formerly called Anchor Brand) Clover is increasing rapidly in various parts of the country. Ohio is usually considered one of the greatest clover seed growing states, but the weeds are becoming quite bad there and last season we sold and shipped over 1,000 bushels of our best Iowa grown, re-cleaned Red Clover seed to customers in that state. The demand is sure to be large this year and we would advise an early order if you want any of our Iowa Shield clover seed. Prices named show values on day this catalogue goes to press (about December 1st). Prices are changing constantly and we issue a price list every week during the season.

MEDIUM RED CLOVER.—This is the most important of all clovers and the standard everywhere for hay and pasture. It is known as Common Red or June Clover in many sections. Our Iowa grown clover seed has become widely known for its purity, strong vitality, hardiness vigorous and healthy growth, and stooling qualities, so that now we receive many orders from the most distant parts of the United States. It

Ask for quotations when ready to buy.

ALSIKE CLOVER.—Unequalled for hay and we cannot too strongly recommend it to our customers. It is hardy, even in northern Minnesota, and is the only variety which will produce a good crop and not kill out in low, wet land. The hay is finer and better than any other, therefore of special value for sowing with timothy. Height 18 to 24 inches and has round, pink or flesh-colored heads. Seed is small and of our **IOWA STANDARD** grade it requires only 8 pounds per acre or half that quantity if sown with timothy. Per lb. 30c, 3 lbs. 85c postpaid; by freight, pk. \$2.75; bu. (60 lbs.) \$9.90; 5 bu. or more at \$9.75, bags included.

Iowa Shield Alsike.—The highest grade in purity and vitality. Sow 60 lbs. per acre. Per lb. 35c, 3 lbs. 95c, postpaid. By freight, pk. \$3.00, bu. \$11.00, 5 bu. or more at \$10.85, bags included.

WHITE DUTCH CLOVER.—Desirable in pasture mixtures. Also used largely for lawns. It is the most hardy of any variety of clover, is of a creeping habit, desirable for sowing on terraces and sloping grounds. Our **IOWA STANDARD** is a very nice grade and requires only 7 lbs. to sow an acre. Per lb. 40c, 3 lbs. \$1.10, 5 lbs. \$2.00, by freight, per pk. \$2.75, bu. (60 lbs.) \$10.25.

Iowa Shield White Clover.—Extra bright and pure. Of special value for lawns. Sow 5 lbs. per acre. Per lb. 45c, 3 lbs. \$1.25, postpaid. By freight, pk. \$2.50, bushel \$12.00.

SANFOIN CLOVER, also called *Esparracette Clover*.—An excellent but comparatively little known variety of special value for growing on light, dry sandy or limestone soils. It is a good fodder plant. Usually of barley, using 30 or 40 pounds of seed to an acre. Per lb. 35c, 3 lbs. 90c, postpaid; by freight, pk. \$1.60, bu. (45 pounds) \$5.50.

SWEET CLOVER.—(*Metolitis Alba*, or *Bokhara*.)—A tall shrubby plant, bearing innumerable small white flowers; very valuable for bees, and is sown largely along the roadside by bee keepers. Both leaves and flowers have a delightful fragrance. Sow 10 lbs. per acre. Per lb. 31c, 3 lbs. \$1.10; by freight, 5 lbs. or more at 25c.

CRIMSON CLOVER, also called *Giant Incarnate*.—This is an annual variety. The yield in fodder is immense, and after cutting, it at once commences to grow and continues until severe freezing weather and makes good hay. Sow in April or May, 20 pounds of seed per acre. The only objection to this is that it winter kills in this latitude. Desirable as a soilimng crop. Per lb. 30c, 3 lbs. 80c postpaid; by freight, peck, \$1.90, bushel \$7.00.

Iowa Shield Alfalfa.—An extra choice pure grade. Sow 20 lbs. per acre. Per pk. \$3.00, bu. \$11.50, 5 bu. or more at \$11.35, bags included.

Mr. Davidson, of Ottawa county, Kansas, says that his Alfalfa

Clover produced four crops of hay—8 tons, value \$4.00 per ton in the country, or \$32.00; also a yield of 11 bu. of seed, worth \$8 per bu. or \$88, making a total \$120 per acre in one season, ten times the value of the land. How would that kind of a crop suit you? Better try Alfalfa this year.



MICROSCOPE.

Examine your Own Seed.—This is a double lens high power microscope; solid brass mountings; valuable aid in the examination of grass, clover and other seeds. Each by mail 50c, postpaid. If sent with other goods by ft. or ex. 40c.

Permanent Grasses

Most of our western farmers have not yet learned that a pasture or meadow of mixed grasses is far superior to clover and timothy alone. All authorities agree that for both pasture and hay, best results are obtained from the use of grass seed in mixture. The reasons are that: First: A number of species will insure a much denser growth than the same number of seeds of one or two species; and prevent exhausting the soil, since they live to a large extent on different constituents. Second: Seasons that affect some grasses adversely are favorable to other sorts; so that with mixtures a failure is practically impossible, provided of course, the seed is good. We take great pains in selecting grass seed in order to secure the highest germination, and our mixtures are based on a full appreciation of the requirements of the different soils for which they are intended. We have made a study of this subject and have grass specialists in our employ and can furnish the seed of the best varieties of grasses mixed in proper proportions for any soil or climate. Please read carefully the descriptions of the various kinds of grasses, and remarks below on sowing grass seeds, and don't be content to follow the old way your father and grandfather did; but adopt new methods, sow improved varieties and double your crop.

WHEN AND HOW TO SOW GRASS SEED.

The most rapid way of obtaining a grass crop is to sow the seed early in the spring by itself, without any grain or nurse crop, as the young grass plants are in no way protected by the grain, and when this is cut the young clover and grass are very tender. The cutting of the so-called nurse crop suddenly exposes the young grass at the hottest time of the year, and there is danger of it being burned out, while when grass is sown by itself the young plants are hardened and more able to withstand the hot and dry sun. However, some farmers will want to sow seed oats with the grass seed, and we wish to call their attention to our Early Champion Oats as being especially adapted for a nurse crop on account of its not stalling so heavily as other varieties. To obtain best results use only a moderate quantity of oats to sow with grass seed.

After the ground is carefully prepared, the seed is sown broadcast, and it should not be covered very deep, the natural covering which may take place after a shower of rain is sometimes sufficient. However, it is best and more certain to lightly harrow it in. The pressure of a common farm roller on clover and grass seed covers the same slightly, and is one of the best means to assure quick and even germination of the seed.

PERMANENT MEADOW MIXTURES.

Will make the best quality hay as the mixture contains such grasses as produce a heavy growth and mature together. We send out the No. 1 mixture when not otherwise ordered, as it is adapted to medium or average soils. Sow about 22 lbs. (1½ bu.) per acre, or for top seed 10 to 15 lbs.

NO. 1—FOR MEDIUM SOILS.—Contains Meadow Fescue, Perennial Rye Grass, Italian Rye, Orchard Grass, Tall Meadow Oat, Timothy, Red Clover, Alsike, Sweet Vernal, etc.

NO. 2—FOR HIGH, DRY LAND, LIGHT OR GRAVELLY SOILS.—Contains Sheep's Fescue, Alfalfa, Hard Fescue, Perennial Rye Grass; Meadow Fescue, Timothy, Kentucky Blue Grass, Sweet Vernal, etc.

NO. 3—FOR HIGH, DRY LAND, HEAVY OR CLAY SOILS.—Contains the same as above with the addition of Orchard Grass, Crested Dogstail and Bromus.

NO. 4—FOR MOIST AND RICH SOIL, OR LAND SUBJECT TO OVERFLOW.—Contains Water Meadow Grass; Meadow Foxtail, Perennial Rye Grass, Meadow Fescue, Red Top, Meadow Soft Grass, Alsike, Clover, etc.

NO. 5—FOR TOP SEEDING SWAMPS, MARSHES, ETC.—(Sow 10 lbs. per acre). Contains much the same as above in different proportions.

PRICES Any of the above Permanent Meadow Mixtures, per bu. 40c. 3 lbs. \$1.00 postpaid. By freight, not prepaid, per bu. (15 lbs.) \$3.00, 2 bu. or more at \$2.75.

PERMANENT PASTURE MIXTURE.

Selected with a view to having a succession of grasses coming on constantly from earliest spring through the dry summer weather, and through the fall, it is permanent and keeps improving year after year. Sow about 22 lbs. (1½ bu.) per acre, or for top seeding, half the amount.

NO. 6—FOR MEDIUM SOILS.—Contains Kentucky Blue Grass, Meadow Fescue, Perennial Rye Grass, Orchard Grass, Tall Meadow Oat Grass, Hard Fescue, Alsike Clover, White Clover, Timothy, Red Clover, etc.

NO. 7—FOR HIGH, DRY, GRAVELLY SOILS.—Contains Sheep's Fescue; Hard Fescue, Creeping Bent, Bromus Inermis, Crested Dogstail, Meadow Fescue, Timothy, Kentucky Blue Grass, White Clover, etc.

NO. 8—FOR HIGH, DRY, HEAVY OR CLAY SOILS.—Contains much the same as above, mixed in different proportions, with the addition of Alfalfa and Orchard Grass.

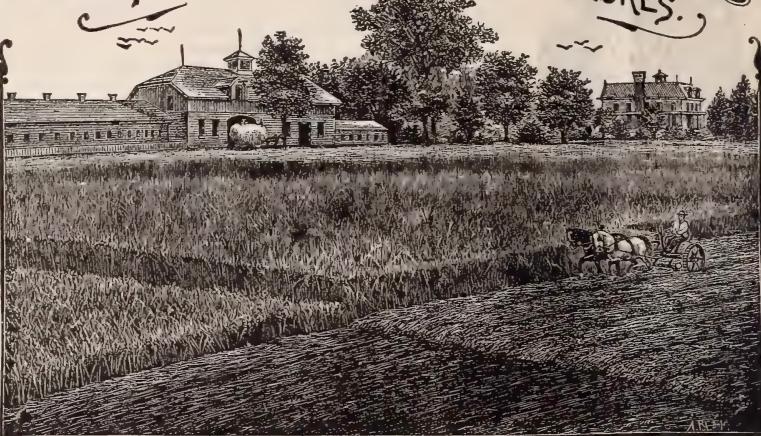
NO. 9, FOR MOIST AND VERY RICH SOILS.—Contains Perennial Rye Grass, Water Meadow Grass, Water Fescue, Meadow Foxtail, Orchard Grass, Meadow Soft Grass, Tall Meadow Oat Grass, Alsike, etc.

NO. 10. FOR ORCHARDS, WOOD PASTURES AND SHADY PLACES.—Contains Wood Meadow Grass, Orchard Grass, Kentucky Blue Grass, English Blue Grass, Meadow Foxtail, Sweet Vernal, Red Clover, Alsike, etc.

PRICES Any of above Permanent Pasture Mixtures per lb. 40c. 3 lbs. \$1.00 postpaid. By freight per bu. (15 lbs.) \$3.00, 2 bu.

or more at \$2.75.

OUR SPECIAL GRASS MIXTURE FOR HAY AND PERMANENT PASTURES.



OUR MEADOW MIXTURE COMPARED WITH ORDINARY GRASS CROP.

DAIRY FARMERS' GRASS MIXTURE.

Dairy farmers particularly desire to take a crop of hay off the meadow and have the aftergrowth for pasture, and where the natural grasses are carefully selected with this object in view, this can be successfully done. This mixture is composed of tall, quick-growing varieties, will cover the ground and furnish grazing until late in the fall. Consists of the best varieties of clover and grass seed, as Red Clover, Alsike, Orchard Grass, Rye Grass, Tall Meadow Oat, Meadow Foxtail, English Blue Grass, Kentucky Blue Grass, etc. It is a special mixture which will please everyone. Sow 20 lbs. per acre on ordinary soils. Per lb. 40c. 3 lbs. \$1.00 postpaid. By freight, per bu. (15 lbs.) \$3.00, 2 bu. or more at \$2.75.

SHEEP PASTURE MIXTURE.

Everyone who keeps sheep should sow this mixture. It will grow well on high, dry, poor soil, and also on good ground; is drouth resisting, and endures close cropping. Contains Sheep's Fescue, Hard Fescue, Red Fescue, Creeping Bent, Crested Dogstail, Bromus Inermis, Meadow Fescue, White Clover, etc. Sow 25 lbs. per acre. Per lb. 40c. 3 lbs. \$1.00 postpaid. By freight per bushel (15 lbs.) \$3.25, 2 bu. or more at \$3.00.

QUICK RESULT PASTURE.

Not permanent, but when sown early will give a full crop of hay and good pasture until late in the fall. Desirable for both cattle and hogs. Contains Italian Rye Grass, English Rye Grass, Meadow Fescue, Timothy, Crimson Clover, Mammoth Red Clover, Tall Meadow Oat-Grass, etc. Sow 15 lbs. per acre. Per lb. 40c. 3 lbs. \$1.00 postpaid. By freight per bushel (15 lbs.) \$3.00 2 bu. or more at \$2.75.

PERMANENT HOG PASTURE.

Ready to use the first year and many years thereafter. Will fatten the hogs quickly and keep them in good health. Much superior to a corn diet for them and helps keep hog cholera and similar diseases away. Contains Perennial Rye Grass, Orchard Grass, Italian Rye Grass, Clover, Timothy, Red Top, etc. On any ordinary soil sow 15 lbs. per acre. Per lb. 40c. 3 lbs. \$1.00 postpaid. By freight per bu. (15 lbs.) \$3.00, 2 bu. or more at \$2.75.

LARGE ORDERS If you desire to purchase a large lot of seed of any species. Our orders range from 5 cents upward, but we are not afraid of big orders. Our largest retail order was for \$1,370.00 worth of seeds, another customer's purchases amounted to \$1,487.33 during the season, when it was divided up into several orders. Both were perfectly satisfied. W. P. Turner, of Pennsylvania who bought seeds of us to the amount of \$1,397.54, wrote us in the fall: "All the seed has given perfect satisfaction."

We are prepared to select and make up special mixtures of Grasses for all particular purposes, adapted to all soils and climates. When in need please write us describing peculiarities of ground.

THE WOOD. not only in Iowa, but everywhere. W. B. Robinett, of Lockwood, Kentucky, says: "The grass seed received from you is the finest I ever saw. I like it much better than any I ever bought before, and am well pleased in every respect."

Your Hog Pasture Mixture made a good stand and I was satisfied with the results.—George Wendell.

The seeds you sent us are indeed more than you claim for them. The timothy is fresh and clean: clover seed the cleanest I ever saw tested under a microscope. Please accept my thanks for honorable treatment.—John Mittman, Dodge County, Neb.

All the seeds purchased of you have given good satisfaction. In particular your clover grass mixture No. 10 has given good results. I shall send down more ground with this mixture next spring.—John U. Hunziker, H—, N.b.

OUR "IOWA SHIELD" BRAND GRASS MIXTURES ARE OF HIGHEST QUALITY.

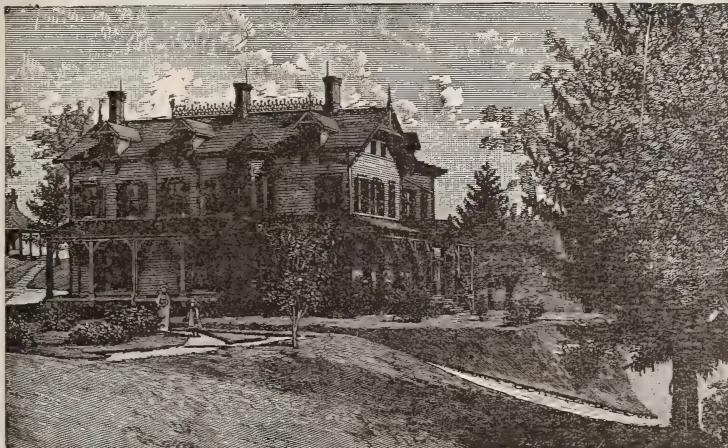
Des Moines, Iowa, Feb. 1.—During the past summer thousands of persons have admired the beautiful velvety green lawns at our city parks, 489 acres, and we are pleased to say that they were produced by sowing grass seeds furnished by the Iowa Seed Company of this city.—E. J. Fairall, Sec'y Board of Park Commissioners.

home may be made attractive with such surroundings, while, without a good lawn even the finest flowering plants and elegantly arranged beds seem insignificant. How important it is to plan for the best lawn obtainable. Do not spend money in sodding a lawn, for it is expensive and seldom satisfactory. When sod is cut from the roadside or some out of the way pasture, it is poor in quality and full of weeds, and when unevenly laid produces a rough surface which disfigures the lawn. It costs much less to sow the seed and the lawn is far better. Ask for circular, "How to Make a Lawn."

EVERGREEN MIXED LAWN GRASS SEED.—This is a mixture of the best varieties of grass seeds suited for growing together in the central and northern states, and will make a beautiful, soft velvety lawn, as handsome green as an emerald and is formed of grasses which keep green from early spring all through the hot dry summer weather, until late in the fall. It comes up quickly (in about two weeks after seed is sown) and after once up it soon spreads to cover the ground and is ready for the lawn mower in six or eight weeks. It is permanent, maintaining its beauty for a life-time, although it is a good plan to give a new lawn a topseeding once every two or three years. This mixture is made by ourselves from new crop, recleaned pure seeds of the best varieties, well suited for even and permanent growth, as good as money can buy. It cannot be excelled for producing a rich velvety lawn of beautiful dark green color. Price per lb. (will sow 400 square feet) 45c; 3 lbs. \$1.25, postpaid. By freight, per bu. (15 lbs.) \$3.50, 2 bu. or more at \$3.25.

TERRACE LAWN MIXTURE.—It is sometimes difficult to get a good sod on sloping ground, terraces, side hills or embankments. This is a mixture of such grasses as have strong spreading roots, making a close turf which heavy rains cannot wash out easily. On new lawns sow some oats also to prevent washing until grass gets started. Per lb. 50c, 3 lbs. \$1.35 postpaid. By freight per bu. (15 lbs.) \$4.00.

CENTRAL PARK LAWN GRASS.—A very fine mixture for lawns, but is of special value for parks and around country homes where it is not convenient to mow the lawn frequently. It contains some fragrant grasses which give out a delightful odor both when growing or when cut. It is the grass for country homes, parks and large estates and for this purpose sow about 50 lbs. per acre. Per lb. 40c, 3 lbs. \$1.00 postpaid. By freight bu. (15 lbs.) \$3.00, 2 bu. or more at \$2.75.



KENTUCKY BLUE GRASS, "Iowa Shield" Brand.—Our stock of this is the best grade of finely cleaned new crop tested seed. The crop this year was very short and prices may advance before spring. Lb. 45c, 3 lbs. \$1.25 postpaid. By freight, (15 lbs.) \$3.50, 2 bu. or more at \$3.25.

WHITE CLOVER, "Iowa Shield" Brand.—The well known common white clover is very hardy and its dwarf growth makes it desirable for lawn mixtures. Its close, dense turf and creeping habit make it desirable for terraces and sloping ground. Seed is very small and requires but little in mixtures. Lb. 45c, 3 lbs. \$1.25 postpaid. By freight, peck \$3.25 bushel (60 lbs.) \$12.00.

SOUTHLAND LAWN MIXTURE.—In the southern states there is frequently trouble to secure a lawn. This mixture is made of Southern Blue Grass, Bermuda Grass and other varieties adapted to a hot, sunny climate. Together they make a nice bright lawn the year round. Per lb. 50c, 3 lbs. \$1.35 postpaid.

LAWN FLOWERS.

LAWN FLOWER MIXTURE.—Nothing looks more beautiful than a variety of pretty little dwarf growing flowers blooming on the lawn and we have therefore prepared this mixture which we believe will be just what is desired. It consists of low growing, quick blooming flowers very desirable for sowing with Lawn Grass Seed in the syring. They come up quickly, afford shelter for grass seed and will bloom by time the grass requires cutting the first time. Also desirable for sowing on an old lawn very early in the season. Price per ounce package only 25c.

BEAUTIFY THE HOME PLACE.

"Leave the World More Beautiful Than You Found It."

The charm of any home place is in the lawn, trees and shrubbery. The finest, most expensive mansion looks dreary and like a forsaken castle if the grounds surrounding it are not properly planned and cared for, while, with a comparatively small expenditure of time and money for lawn and shrubbery, it might be made surpassingly beautiful. If you do not employ a landscape architect let us suggest that you at least take time to carefully plan your place. Do not try to plan it all in ten minutes; if you employed a landscape architect you would expect him to take time sufficient to consider well where each tree, shrub and vine should be located.

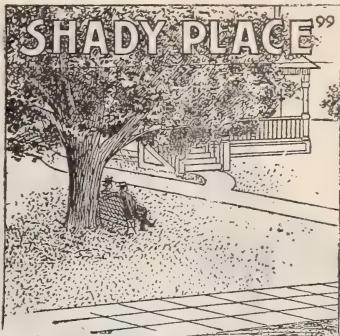
The lawn should be the basis of all arrangements in the nature picture which you are preparing. The best lawns are made by sowing seed. Select for the borders at least, hardy shrubs and plants which will be permanent. Our list of these is quite complete. See plant department.

Last spring we purchased from you a quantity of mixed lawn grass seed for use on the College campus. The results were very satisfactory to us. Our lawn was very attractive throughout the entire year.

C. C. REARICK, President Highland Park College.

Roots of grass showing need of fertilizer.

FOR PERMANENT IMPROVEMENTS PLANT SOME HARDY ROSES AND FLOWERING SHRUBS.



SHADY PLACE LAWN MIXTURE.—This mixture is a combination of fine, dwarf-growing, evergreen varieties of grass which grow naturally in the woods or in shaded spots. They are mixed in proper proportions to make a fine lawn under shade trees. Sow seed thickly 1 quart to 150 square feet. Per lb. 50c, 3 lbs. \$1.35, postpaid. By freight, bu. (15 lbs.) \$4.25.

GOLF LINK MIXTURE.—This is a mixture of various sorts of fine grasses which when liberally sown will produce a fine green sward. They grow vigorously and when close mown form a fine mass of interlacing roots, and also differ in their seasons of maturity, so that a succession of fresh growths is secured from early spring to the latest fall. Per lb. 50c, 3 lbs. \$1.35, postpaid. By freight, bu. (15 lbs.) \$4.00.

PUTTING-GREEN MIXTURE.—A mixture of extra fine grasses that will make a close, firm, green and lasting turf, improves the more it is tramped. Per lb. 50c, 3 lbs. \$1.35, postpaid. By freight, bu. (15 lbs.) \$4.50.

SWEET VERNAL.—A very fragrant grass and everyone should sow a little of it in mixture with other kinds as it exhales a pleasant aroma when lawn is cut. Per lb. 35c, 3 lbs. \$5c, postpaid.



Ask for
Prices in
Quantity



EXTRA EARLY OHIO. (Grown in Red River Valley.)

EARLY WHITE TRIUMPH.—For some sections this has proved to be the earliest and best of all varieties. In shape it resembles the Bliss Triumph, but is of better color, yielding a large crop of fair sized, nice shaped tubers. Has won prizes at the Iowa State Fair and elsewhere. Pk. 85c, bu. \$2.50.

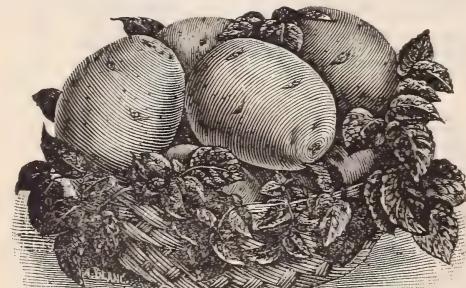
BLISS TRIUMPH.—Most desirable variety for the south and is there considered the earliest potato in existence, equaled only by our new Early White Triumph. A handsome round variety which matures before the Extra Early Ohio, and is wonderfully productive. The tubers are not large, but are of a nice medium size for early use, round as a ball, and a beautiful color. For several years it has been the most popular variety in the southern states, and hundreds of carloads are shipped to the northern markets and bring fancy prices. Not so desirable for main crop or northern growing. Per pk. 60c, bu. \$1.75, 5 bu. or more at \$1.25.

EARLY OHIO—Grown in Iowa. Our stock is as nice as any which can be obtained, we think, and is desirable both for early and main crop. Pk. 50c, bu. \$1.50, 5 bus. or more at \$1.25.

ROSE OF THE NORTH.—An improvement on the old Early Rose which has been grown on the virgin soil of the far north. It is very early, being only a trifle later than the Early Ohio and much larger. Is smooth and is of handsome rose color. Quality superb, either baked or boiled and yields immensely. Keeps sound and fresh well into the spring. Pk. 60c, bu. \$2.00, 2 bu. or more at \$1.75.

Your seeds always give good results. The seed potatoes last year exceeded all expectations and gave an enormous yield of fine, large potatoes, some weighing 22 ounces each. J. J. Lemon, Tacoma, Wash.

CARMAN NO. 3.—This handsome main crop potato is of a large size yielding immense crops of uniform size and shape. It is of perfect form, almost every potato being of same size and shape, and averaging nearly one pound each in weight, in good seasons. It has but few eyes and they are shallow, the skin and flesh are extremely white and its cooking qualities are very fine. It is a remarkably handsome potato, enormously prolific, and will please all potato growers. Keeps well. Pk. 50c, bu. \$1.60, 5 or more, \$1.50.



CARMAN NO. 3.

HYBRIDIZED POTATO SEED.—Potato seed from the flower ball (the true seed). It is from such seed that the choice new varieties of potatoes are originated. The result is interesting and often very profitable, and you are just as apt to obtain a choice new variety as an experienced potato specialist. Packet 10c, 3 for 25c.

SEED POTATOES.

"The Proof of the Potato is in the Eating."

With no other seed is the importance of change more evident than with potatoes, and by using our northern grown seed you are assured of early maturity, increased yield and vigorous growth. The following varieties are, we think, the best and most satisfactory sorts for growing in Iowa and other states of the same latitude. Most of our seed potatoes are grown in Minnesota or the Dakotas and are of superior quality. Order early as possible and we will ship as soon as weather permits. Prices are subject to important market changes, and it now looks as though values would be considerably higher. Ask for quotations on large lots.

POUND PRICES.—All varieties, except where noted, 25c per lb., 3 lbs. 60c, postpaid.

Read L. B. Terry's new book, "A B C of Potato Culture." Price 40c, postpaid.

EARLY PROSPERITY.—See description with novelties. Per lb. 50c, 3 lbs. \$1.25, postpaid; by freight or express, 1/2 pk. \$1.25, pk. \$2.00.

EXTRA EARLY OHIO.—Fancy Northern Grown Stock.—For several years past we have been having these grown in the noted Red River valley, about 40 miles north of Des Moines, and careful tests have proved them to be fully ten days earlier than the Iowa grown stock. This is a great advantage to the grower, and puts this variety at the head of the most popular of all. They are all of good, average size, strictly pure, smooth and free from scab or rot, and outyield other early sorts. It is an especial favorite with marketmen, and the most profitable potato they can grow.

The sprout is very strong and the vines grow erect, making it easy to cultivate, and on account of its early maturity you can get the highest market prices. They will keep firm till late in the spring. This variety is frequently sold under the name, Extra Early, Six Weeks. This is our specialty in standard varieties. Also desirable for late planting as they keep well for winter and spring use. Pk. 65c, bu. \$2.00, 5 bus. or more at \$1.75.

EARLY WHITE OHIO.—There is a great demand now in many markets for a white potato, and even the good old standard Early Ohio has to suffer because of the color of its skin. Here we have, however, a genuine Early Ohio identical with the old variety in every way except in the improved color. It is of quick, vigorous growth, making many tubers which are compact in the hill, and has produced a crop of **2,500 bushels on five acres** in this state. Per pk. 65c, bu. \$2.00, 5 bu. or more at \$1.75.

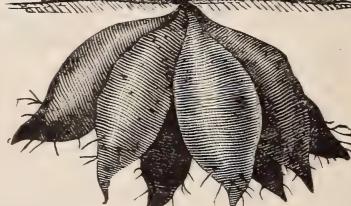
RURAL NEW YORKER NO. 2.—One of the largest yielding varieties in existence. Large and unusually smooth, with few and shallow eyes, skin white as is also the flesh, which is of superior quality. Medium late and the best drought resister. There is no other potato of more handsome appearance than the Rural New Yorker; Although it is a large yielder it grows few and small vines. It is very hardy and will stand the heaviest manuring without getting scabby or spotted. For this reason it is one of the most desirable varieties for farmers and potato growers near large cities to grow for main crop or market. Under ordinary circumstances they will yield from 300 to 400 bushels per acre and by heavy manuring this yield can be almost doubled. Pk. 50c, bu. \$1.50, 5 bu. or more at \$1.25.

POTATO KNIFE.—Concaved and curved. Each 35c, postpaid.



SEED SWEET POTATOES.

Our stock is grown, stored and handled especially for seed purposes and cannot fail to please all. Prices subject to market changes; we usually ship about April 12th to 20th. Circular telling how to grow sweet potato plants free. See page 23 for price of plants.



so called new varieties, all which we have tested, Early Jersey holds the first place. The earliest and most productive; of large, short, chunky shape and of the very best quality. It will probably always remain the most popular market sort. Peck 50c, bushel \$1.50, barrel \$3.50. Ask for price in quantity.

NEW GOLD COIN VINELESS.—A novelty of great merit which has become very popular. Instead of having long running vines it is of a dwarf bush-like growth, tubers yellow, medium to large size, quite productive. Peck 75c, bushel \$2.50, barrel \$6.00.

RED JERSEY.—Similar in shape to our Early Yellow Jersey, but dark red color. The quality is excellent. Pk. 75c, bu. \$2.25, barrel \$5.00.

WHITE SOUTHERN QUEEN.—These are the large "Yams" which are so popular in the south. Even the seed potatoes are monster size often weighing several pounds each. Peck 75c, bu. \$2.00, bbl. \$4.50.

Any of the above varieties of sweet potatoes by mail, postpaid, at 35c per lb., 3 lbs. \$1.00. As for price in quantity.

Novelties and Specialties. FOR 1908

"What have you that is especially new and desirable this year?" is the first question asked us by many of our patrons, and the following pages on colored paper contain much that is of great value. Some of them are novelties and others are sorts of rather recent introduction, but of such superior qualities that we call special attention to them by giving them a place here. Each is faithfully described from careful observation. All are worthy and recommended by us. Aside from these, many desirable novelties will be found listed in various parts of the catalogue, as well as the standard sorts everyone wants for stand-bys. Notice the collections of novelties offered on back cover of this catalog and colored inserts.



DAVIS PERFECT CUCUMBER.

Davis Perfect Cucumber.

This very desirable new sort originated with one of the largest market gardeners near Grand Rapids, Mich., and was sent out in an experimental way only, to gardeners in all parts of the country and has surprised and pleased everyone. It is a sure money maker for those engaged in growing cucumbers under glass "for profit" as well as for truck gardeners who grow their crop out of doors. In color, a dark, glossy green; shape, slim and symmetrical, with an average length of ten to twelve inches. The quality is fine, as the seeds are very soft when the cucumber is fit for table use, is very tender and brittle and of exceptionally good flavor. Another strong point of merit is its splendid shipping qualities. It seems to hold its color and brittleness long after being cut. On account of its being such a strong grower it is able to resist the cucumber disease which works destruction among so many of the best forcing varieties. It is medium early and very productive. Per pkt. 10c. oz. 20c. ¼ lb. 65c. lb. \$1.75.

Burrell Gem Musk Melon.

If you want a truly delicious melon for home use or if you desire a variety which will bring a fancy price on the market, we most毫不犹豫地 recommend the **Burrell Gem**. It is of about the same size and shape as the Rocky Ford Cantaloupe, but has rich golden yellow flesh of the most rich delicious flavor seeming to almost melt in the mouth and still so solid as to be a most desirable shipping sort. The seed cavity is very small. The melons average about six inches long, four and a half inches in diameter and weigh 24-16 lbs. each. Trial shipments of these melons were sent from Colorado to markets in Chicago, St. Louis, New York and elsewhere and brought 50 per cent to 300 per cent more than the best Rocky Fords. This is sufficient to insure its being popular with market gardeners who have a "particular" trade as well as private gardeners who want melons for their own use which are of exceptionally choice quality. Per pkt. 10c. oz. 20c. ¼ lb. 75c. lb. \$2.25.

Majestic Tomato.

The largest, handsomest and finest quality tomato ever sent out and one which all are pleased with. When we first secured this grand new sort we knew that it was of exceptional merit, and superior in size and flavor to anything on the market, but were astonished at the reports received from our customers. Thousands of letters arrived in the fall speaking of it in highest terms of praise. It is undoubtedly the largest fruited of any variety ever sent out and the fruit is so solid that it weighs more than its size would indicate. Unlike many so-called large varieties which produce a few large fruits and a great multitude of small ones, this variety is almost uniformly large. The first fruit matured is somewhat rough, but later on they are smooth and of handsome shape; of a rose red color, ripening evenly all over, gay up to the stem. When cut it is a rich coral red color, its color blending into delicate shell-like tints. The fruit is unusually solid, having very small seed cells which are few in number and near the surface. The flesh is tender, fine grained and rich, yet of mild, delicate flavor, being of the sub-acid class. The skin is thin yet tough, and not liable to crack on the vines or in handling, making it a good shipping variety. Plant is of vigorous growth from start to finish, producing fruit nearly as early as the small extra early sorts. Many customers have reported specimens weighing 3 lbs. to 7 lbs. each, the largest specimens were, of course, grown by special culture, allowing only one or two fruits to ripen on the plant. In this way the whole strength of the vine goes to the fruit and the size is increased greatly. There were also many reports of 120 lbs. to 160 lbs. of tomatoes grown on one plant. Just think what a crop there would be on an acre of such tomatoes. Don't fail to plant it this year. Pkt. 10c. oz. 75c.

Red Majestic Tomato.

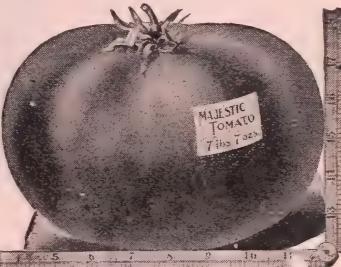
This new variety which we are now offering for the first time appears to have all the good qualities as well as the large size of the world renowned Majestic, but it is of a bright crimson red color and for this reason may be preferred by some. It is also of special value for growing on a trellis and will quickly cover a support 6 or 8 feet high and bears its fruit well up from the ground out of reach of the chickens. We can only offer the seed this year in packets of 100 seeds for 40c., 3 packets for \$1.00. This may look like a high price to you, but the Majestic was first introduced at the same price and if properly grown you can pick forty cents worth of fruit from each plant we think. Per pkt. 40c.; 3 pks. \$1.00.

Japanese Climbing Tomato.

A great novelty. Beyond comparison the tallest growing variety that we know of growing 10 to 12 feet high and bearing fruit way to the top. The fruits are of a nice medium size of fine shape, solid, smooth and of a beautiful shining crimson color. They are produced in great clusters and the plant is very productive and a continuous bearer. One plant properly trained on a trellis will produce more fruit than a dozen ordinary tomato plants. The fruits contain few seeds and are of a superior flavor. If the seed is started early in the house they will begin fruiting in July and one or two well developed plants will produce enough fruit for a small family the entire season and every owner of a garden, no matter how small should not fail to grow this wonderful tomato. Per packet of about 100 seeds 15c.

Golden Nugget Tomato.

Last year we advertised this fine novelty quite largely and there was a very large demand for the seed. This fall we have received literally hundreds of letters from customers in all parts of the country who were delighted with it. The fruits are of such fine quality and handsome appearance that you can't help liking it and it is productive beyond comparison. Several customers report having picked 1000 to 1200 fruits from one vine during the season and a few report even a higher number. Try the Golden Nugget Tomato. Pkt. 10c. oz. 60c.



Pharaoh's Dream Sweet Corn.

"And Pharaoh slept and dreamed * * * and behold seven ears of corn came up, upon one stalk, rank and good." — Genesis 41:5.

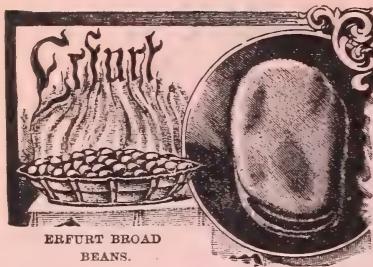
The most productive and one of the finest varieties of sweet corn ever set out. This new variety was bred by one of the best seed corn specialists in the country and does not come from an accidental sport, but was gradually worked up from a cross made of two well known varieties and selected for a number of years, until it has attained its high value. Its peculiar manner of growth and earing are well shown by the accompanying illustration, and owing to the fact that it so frequently produces seven ears to the stalk it has been aptly named "Pharaoh's Dream." Stalks which we have on exhibition in our store have attracted great deal of attention and favorable comment. The corn begins earing almost from the bottom and produces quite long ear stalks from the first leaf joint. The ears are of large size but still not overgrown just right for table use and would be taken for Stowell's Evergreen in almost any market. It is of superior quality, well bred and will please the most particular. Corn is pure white, tender and of rich, delicate flavor remaining a long time in an edible condition. Instead of ears maturing all at once, they form in succession and therefore make a constant supply throughout the season. Ear stalks are so long that it might well be called a branching variety, and it looks tree-like when growing. It is the greatest novelty in sweet corn that has ever been sent out. You should not fail to plant it this year. Produces better when only one or two grains are planted in a hill. Pkt. 10c. ½ pt. 20c. qt. 50c. postpaid. By freight ½ pt. 85c. pk. \$1.50.

Golden Bantam Sweet Corn.

This handsome new variety is undoubtedly one of the most delicious of all and generally believed to be the richest in flavor. It is an extremely early sort, of healthy, vigorous growth and can be planted quite early. The stalks grow only about four feet high but bear two or three good ears five or six inches long and of handsome golden yellow color. In flavor it is quite distinct from the white sorts and some have called it sweet as honey. We advise every one to give it a trial. Pkt. 5c. ½ pt. 15c. qt. 50c.



high but bear two or three good ears five or six inches long and of handsome golden yellow color. In flavor it is quite distinct from the white sorts and some have called it sweet as honey. We advise every one to give it a trial. Pkt. 5c. ½ pt. 15c. qt. 50c.



ERFURT BROAD BEANS.

Erfurt Early Prolific Broad Beans.

For many years past we have had inquiries from our customers who formerly lived in England for the English Broad Beans but we did not handle them, as the leading variety. Broad Windsor does not succeed well in this country, owing to its lateness and liability to be affected by unfavorable weather. When traveling through England we found that they had a greatly improved variety which was very much earlier, more prolific and resisted drouth and rust better than any other kind and we therefore secured a supply of them. The Broad Windsor usually has three or four beans in each pod, while this new variety has from five to nine beans of large size and delicate flavor. The plant is of robust, upright growth, entirely different from any ordinary variety of beans. Pods measuring 10 to 12 inches in length are not uncommon, though they are more and more of handsome appearance. They are more hardy than most varieties of beans and may be planted earlier in the season. Plant in rows about two feet apart, and six inches apart in the row, covering 1½ to 2 inches deep. The top of the stalk should be nipped off as soon as the plants begin to flower, as this induces earliness. Pkt. 10c, ½ pt. 20c, qt. 65c, postpaid. By freight, ½ pk. 85c, pk. \$1.50.

Market Gardener's Beet.

This is undoubtedly one of the best varieties ever introduced, and it receives much praise from our customers each year. As it will be noted by engraving, it is very symmetrical, with small tap root and but few fibrous roots. Unusually small tops. Although on some soils the Egyptian can be marketed a few days before the Market Gardener's, still within a week it will be found larger than the Egyptian; while it continues to grow until late in the fall, attaining a large size, and making a good eating and selling beet for the winter. One sowing only is necessary to produce early beets for market and main crop for winter use, which is not the case with any other variety. Color, deep blood red; fine grained and unsurpassed in quality. Summing it all up, we find in it the best beet for early market, the best beet for winter use. Owing to the small tops permitting them to be grown close together, and the peculiar shape of the bulb, it is the most profitable beet for the market gardener and for family gardens. Pkt. 5c, oz. 10c, ¼ lb. 25c, 1b. 75c.

Early Sunrise Sweet Corn.

This splendid new variety which we introduced originated with a market gardener in the western part of this state and for eight years he has been selecting it to an ideal size and the earliest maturing. In this way he finally obtained this variety which is distinct from all others. Ears about six inches long, well filled out at end, and husk covering so completely and being so tight as to prevent wrinkle of worms which are so bad in Corn. Grains fairly deep and set in straight rows on small white cob; very uniform and handsome. Quite productive and as good flavor as any corn we ever tasted. Don't fail to try it. Market gardeners will find Early Sunrise a most profitable and satisfactory variety. Pkt. 5c, ½ pt. 15c, qt. 50c, postpaid. By freight, ½ pk. 75c, pk. \$1.25.

The Maine State Bulletin, No 27, states that the Early Sunrise was as early as any variety in their long list and much larger and better than Cory; in quality equal to most of the later varieties and the most prolific of all. They say it is worthy of special mention. Try it this year.

White Mexican Sweet Corn.

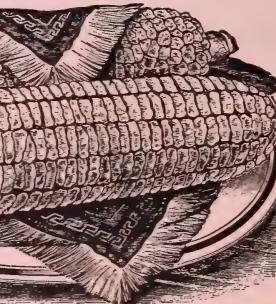
Do you know the marvelous sweetness of the old Black Mexican? You like its taste but dislike its color. Well we have something finer in every way, *superior in sweetness, a pure ivory white color, large as the Minnesota and earlier*. It matures in 55 days. Has pleased all purchasers. Pkt. 5c, ½ pt. 15c, qt. 50c, postpaid.

Yard Long Beans.

A great curiosity, and within a bean of excellent quality. It is a climbing variety of strong, vigorous growth and belongs to the Douchos family. Pods usually being 12 to 24 inches, but frequently 30 inches and sometimes 36 inches in length. An excellent table vegetable, the pods being tender and of a rich asparagus flavor. Quite desirable to grow for exhibiting at fairs and makes an ornamental climber for arbors or trellises. Seed quite scarce this year. Per pkt. 10c.



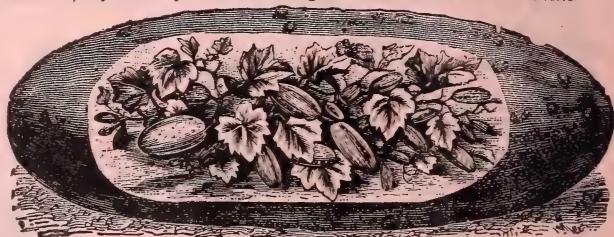
LEMON CUCUMBER.



EARLY SUNRISE SWEET CORN.

**Early Express Cucumber.**

We are pleased to introduce this most remarkable and valuable new variety, which originated with Mr. C. P. Coy, the well known seed grower, and may be called the best novelty in this line which has been brought out for many years, especially for the private garden. It is by all odds the earliest variety in existence, producing fruit several days ahead of Early Siberian, Extra Early Russian and other early sorts, and nearly double them in size. Quality is the very best, being free from any rank, strong flavor, and it is as fine a variety for slicing as any later sort. The plant is very productive, bearing fruit which is quite uniform in size and shape. Color is a lively green, shading to nearly white at the blossom end as they grow older. Our cut shows compact growth of vine. Per pkt. 10c, oz. 20c, ¼ lb. 60c, 1b. \$1.75.

**Lemon Cucumber.**

This excellent little vegetable which we introduced last year is a decided novelty and has proven quite popular with our customers. As will be noticed from our illustration it is an entirely new and distinct type. It is round and about the size of a base ball. The fruits are produced in the greatest profusion and they hold their quality for a long season. They are used for slicing or sweet pickling in the same manner as any ordinary variety of cucumber, but they have a flavor peculiarly their own, superior to any of the other sorts, being crisp and tender and having none of the bitter or acrid taste sometimes found in other cucumbers. It is of best quality, however, when the fruit begins turning yellow, is also desirable for use as mangoes. It is tender, crisp, and we are sure will be liked by all who try it. Pkt. 10c.

Astro Cucumber.

A very desirable variety for growing in hotbeds as they yield a continual daily picking and sell quickly at \$1.00 per dozen. Fruit large, perfect shape, 8 to 12 inches long. They are of the very best quality for slicing, as the flesh is white and crisp, have few seeds. Pkt. 10c, oz. \$1.00.



EARLY BIRD RADISH.

Early Bird Radish.

Decidedly the earliest of all radishes. Quick growth is one of the main essentials for a crisp and tender radish, and with loose soil and proper culture the Early Bird is ready for the table in twenty days from time of sowing the seed, which makes it one of the most desirable sorts ever offered for either forcing or outdoor culture. It is of round or turnip shape as shown in our illustration, of bright scarlet color and pure white flesh, which is tender, crisp and of the very best flavor. It has few and short leaves which admits of very close growing, thus producing a large number of bundles of radishes on the same ground. Very desirable for the home garden and a money maker for the market gardener. Per pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Gray Lark Radish.

A most unique variety of radish from Spain which had been grown for several years near New York City by some German market gardeners who found such a heavy demand for this sort that they devoted all their space to it. It is really an all seasons radish, making nice shaped little roots very early in the season, and they keep growing larger and hold their quality until late in the fall. They are crisp, brittle and of excellent flavor. The color is quite peculiar, being of a grayish brown spotted or diversified in appearance, and we are sure that it will soon become a favorite wherever sown. Per pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

AFRICAN MELON.

European-African Musk Melon.

Many Varieties Mixed.

We grow large quantities of melon seed, and when in Europe recently we tried to make arrangements to supply the dealers there, but they would not purchase as they liked their native varieties better. Personally we do not think that they equal the American sorts, but some of our customers may think differently, and we would like to have you compare them. We secured seed from various parts of Europe and Africa and offer them in one grand mixture, which includes many curious sorts, one of which is shown in our cut, Per pkt. 10c.

Continuity Lettuce.

In this grand new variety we have one of the most distinct and desirable sorts now on the market. The outside leaves are of a very dark brown color tinged with purple, while the inside of the head is a fine creamy white, tender, crisp and well flavored, making it in all respects a very desirable sort. It is especially recommended for holding on through hot and dry weather, such as we had in 1901, and remaining crisp and brittle at all times. We most highly recommend it and firmly believe that it will please one and all who give it a trial. Per pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Upland Cress.

A perennial variety which is hardy, produces well, and the leaves have the same flavor as Water Cress. Can be grown on high, dry land and does not run to seed rapidly. Per pkt. 10c, oz. 25c.



NEW CONTINUITY LETTUCE.

Danish Giant Cauliflower.

For many years past Henderson's Snowball Cauliflower has been the most popular of all varieties, but now a new sort has become a strong competitor for the first place. It originated in the same locality in Denmark which produced the Snowball. The heads are extra large in size, pure white and very solid. It also has large leaves which help to protect the head. It is about ten days later than the Snowball, but has proven much more desirable for growing in the open ground and does well dry seasons when other varieties show failure, keeping plump and fresh during the hottest, driest weather. One grower whom we believe to be the largest grower of cauliflower in the country (his crop amounting to ninety acres), tested the Danish Giant and has placed his entire order for this variety for the coming season. Our seed is obtained direct from the best cauliflower growers in Denmark, the home of the cauliflower, and our customers will be especially pleased with it. Per pkt. of 100 seeds 20c, per oz. \$2.50.

Snowball Popcorn.

The largest variety of white rice popcorn, having ears 7 to 9 inches long, with 16 to 20 rows. The kernels are large and pop out to enormous size, as white as snow, tender and of fine flavor. This variety has been bred up by one family for over thirty years and its valuable characteristics thoroughly fixed. One man who was given four ears for trial grew 17 bushels from them which shows its great productiveness. It unusually yields immense crops but looks so unusually nice that it will bring a fancy price on the market. Pkt. 10c, $\frac{1}{2}$ pt. 25c, qt. 75c.



DANISH GIANT CAULIFLOWER.

New Atlas Pumpkin.

What do you think of a pumpkin weighing 300 pounds? It is not an impossibility, as that weight has been exceeded in this variety, which is an improvement on the mammoth Chili. Our seed is the result of years of selection, and was saved only from the largest sized, perfect shaped specimens, which will be sure to produce enormous fruits if properly grown. It is just the thing for exhibition at fairs. Flesh is a rich yellow, very thick, and excellent quality, nutritious and profitable to grow for stock feeding. Keeps well. Pkt. 10c, oz. 25c.

From one seed of the Atlas Pumpkin received from you I grew one vine which produced four pumpkins. The largest weight 175 lbs., second 168 lbs., third 188 lbs., fourth 96 lbs., or 527 lbs. in all.
Hardy Hughes, Myrtle Creek, Oregon.



NEW ATLAS PUMPKIN.

Naples Giant Squash.

We have been much pleased with this new mammoth variety which was first brought to this country from Italy last spring and everyone who visited our seed farms was delighted with it. The vines grow to prodigious length and are well loaded with large squashes $2\frac{1}{2}$ to 5 feet long and solid throughout except a small cavity at one end. Our photograph shows the daughter of the president of the Iowa Seed Co. holding the two sections of one of the squashes which had been cut in two. The specimens sometimes weigh 100 lbs. each and are fairly fine grained and of good quality. Pkt. 10c. oz. 30c.

Delicious Squash.

On our place this has proved to be a most desirable new winter variety. Color of the skin is green, with an occasional blue specimen, about the same size as the Hubbard, weighing 5 to 10 lbs. Has very thick flesh, cooks dry and is of superior flavor. Although a good fall variety it is in its best condition during the winter. Pkt. 5c. oz. 20c. $\frac{1}{4}$ lb. 60c. lb. \$2.00 postpaid.

Velocity Peas.

For many years past the Alaska has been considered the earliest variety of peas, being several days ahead of First and Best, and other extra early sorts, but just now "take a back seat" and give Cooper's Velocity the first place. This is a new variety from Essex, England never before offered in America. It is a pea vine somewhat resembling the Alaska but has a more dwarf growth, more productive and maturing its crop six to eight days earlier. As all gardeners know the best profit on early peas is during the first ten days sale and therefore the desirability of the Velocity cannot be over estimated. It is of as good quality as any variety of its class but not as sweet of course as the later wrinkled sorts. We have only a small amount of the seed this year and advise early orders. Pkt. 15c. $\frac{1}{2}$ pt. 30c. qt. \$1.00.

Improved Hollow Crown Parsnip.

The old Long Sugar or Hollow Crown Parsnip was always a favorite and we are sure this improved variety will be well received. It is about the same shape as the old sort but smoother and of more even quality; fine grained and excellent. Pkt. 5 oz. 10c. $\frac{1}{4}$ lb. 20c. lb. 50c.

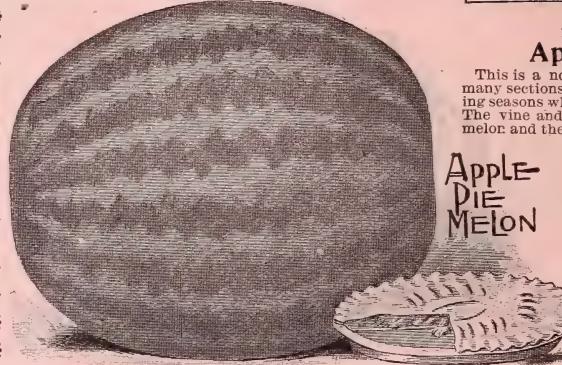


NAPLES GIANT SQUASH.

Apple Pie Melon.

This is a novelty which will be appreciated in many sections of the country and especially so during seasons when apples are scarce and high in price. The vine and fruit are quite similar to a water melon and they are easily grown on any good soil.

Each vine produces from five to fifteen fruits, and one of the large size melons will make as many pies as half a bushel of apples. We have estimated carefully in our field that one vine would produce an average of about 300 pounds. The flesh is white, solid throughout and of excellent quality for making pies, sauce, preserves, etc., and it resembles apples in flavor. They keep nice and fresh all winter, so that they can be used at any time and any surplus you may have can be fed to the live stock. In fact it would pay to raise them for this purpose alone as they can be kept and fed fresh all winter. Pkt. 10c. 3 pkts. for 25c.



Peerless Vegetable Marrow.

In England they consider the Vegetable Marrow far superior to any variety of Squash, but for some reason it has never become popular here. The Peerless is, we believe the most desirable sort, the fruits being of handsome shape, creamy white color, very large size, and of excellent flavor. It is very productive. Cultivate like squash. Pkt. 5c. oz. 15c. $\frac{1}{4}$ lb. 50c. lb. \$1.50.

Romaine.

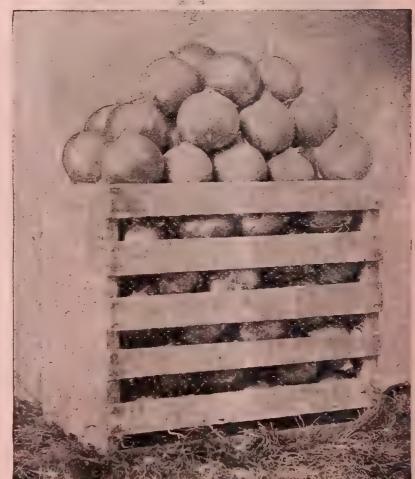
This is really a variety of lettuce, although so very different from the sorts usually grown that it is classed separately. It is very popular in France, where choice flavor in vegetables is especially appreciated. The leaves are of rather light green color shading to white when blanched. It is more uniform growing and self-folding than any of the other varieties of cos lettuce, so that it is really not necessary to tie the leaves together in order that it may blanch. We hope all our customers will give this grand novelty a trial this season and we are sure that you will be more than pleased with it. Possesses a flavor peculiarly its own, crisp and delicious, and people who grow it once are sure to continue to use it in the future. Pkt. 10c. oz. 25c.

New Golden Globe Onion.

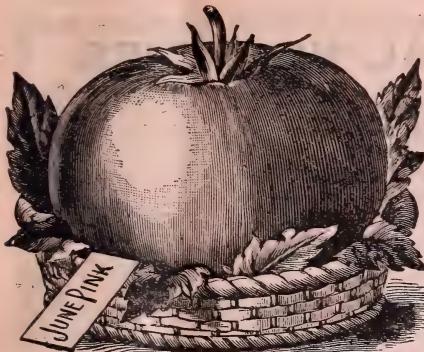
We consider this by far the best variety in existence for general culture on account of size, color, hardiness and keeping qualities. Our cut illustrates a crate filled with these onions, which throughout the crop were uniform in size and a perfect shape, there being no off shape built in the lot. This is one of the best keeping varieties that we know of, as we have kept specimens of them in a warm, steam heated office room for several months without their showing any sign of sprouting, while ordinary onions beside them sprouted badly and became so soft as to be of little value. We most highly recommend it for private family use as well as for market gardeners, and believe that they will prove to be the most profitable variety on the market as well as the handsomest, most prolific, best keepers and easiest sellers. Per pkt. 10c. oz. 30c. $\frac{1}{4}$ lb. 90c. lb. \$3.00.

White Winter Onion.

A variety of special value to the market gardener but it should also be sown in the family garden. The seed is usually sown about September 1st and the plants live over winter and are fine for early spring bunching for market. The seed should be sown very thick, about 40 lbs. to 50 lbs. per acre, and will yield a wonderfully large and profitable crop. In very cold sections it is best to cover the ground with corn stalks or straw during the coldest weather. Better order some when sending for your other seeds this spring. Pkt. 5c. oz. 20c. $\frac{1}{4}$ lb. 65c. lb. \$2.25.



NEW GOLDEN GLOBE ONION.



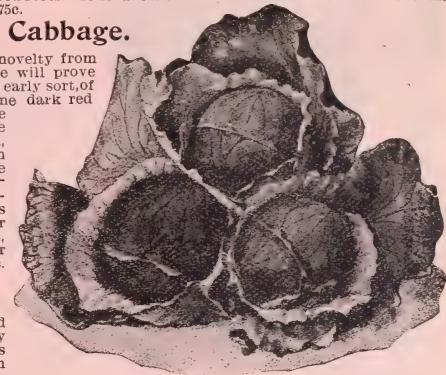
flavor but it has been difficult to secure a strain which was ideal and will please the most particular. If you have never grown red cabbage plant at least a packet of the Zenith this spring. Pkt. 10c. oz. 35c. 1/4 lb. \$1.00

Green Glazed Cabbage.

Very different from any other variety, as the leaves are of very dark green color and appear as though varnished or glazed. We do not consider it of quite as good quality as some other sorts, but it is a decided novelty, very hardy, makes a large head and is practically insect proof. On this account it is particularly desirable for the south and well worthy of trial anywhere. Pkt. 10c. oz. 30c. 3/4 lb. \$1.00 lb. \$3.25.

Zenith Red Cabbage.

An exceptionally choice novelty from Holland which we are sure will prove satisfactory. It is a medium early sort of medium size, and handsome dark red color making it by far the most attractive of all the red sorts. It is very solid, with small ribs and thin leaves which lie very close together, making it practically solid. Many persons prefer the red cabbages considering them of finer



ZENITH RED CABBAGE.

IOWA STANDARD VEGETABLES.

EVERY YEAR there are hundreds of customers who request us to select for them the varieties which will prove most satisfactory for general use, as they can be allowed to remain in the ground and be pulled any time during the summer or fall. There is no better variety for winter use. Shape is nearly spherical, color dark red, fine grained and sweet. Pkt. 5c. oz. 15c. 1/4 lb. 35c. lb. \$1.00.



IOWA STANDARD BEET.—A most excellent variety both for early use and for main crop. It is nearly as early as Crosby's Egyptian, but they can be allowed to remain in the ground and be pulled any time during the summer or fall. There is no better variety for winter use. Shape is nearly spherical, color dark red, fine grained and sweet. Pkt. 5c. oz. 15c. 1/4 lb. 35c. lb. \$1.00.

IOWA STANDARD EARLY CABBAGE.—Everyone wants some early cabbage and you will find the Iowa Standard satisfactory. It matures early, is of good size, solid heads and excellent quality. Pkt. 10c. oz. 30c. 1/4 lb. \$1.00 lb. \$3.00.

IOWA STANDARD LATE CABBAGE.—We consider this one of the largest heading, most solid and most profitable varieties of cabbage grown and we are sure truck growers will be especially well pleased with it. Pkt. 5c. oz. 25c. 1/4 lb. 75c. lb. \$2.40.

IOWA STANDARD CAULIFLOW-ER.—For general crop this is decidedly the best. It matures early; is of nice medium size, a sure header, solid and unexcelled in quality. Pkt. 20c. 1/4 oz. 85c. oz. \$2.75.

IOWA STANDARD CARROT.—The most desirable early variety for bunching, and although a trifle later than the first earlies, still will yield so much handsome roots and larger crop that everyone is pleased with it. Pkt. 5c. oz. 10c. 1/4 lb. 30c. lb. \$1.00.

IOWA STANDARD CELERY.—An excellent sort which is one of the most easily grown varieties and quality is unexcelled. Stalks of good size, require very little blanching and therefore easier to grow. Pkt. 10c. oz. 25c. 1/4 lb. 75c. lb. \$2.25.

IOWA STANDARD EARLY SWEET CORN.—One of the earliest sorts that we know of, producing ears about six to seven inches long, of perfect form and of excellent quality, tender and sweet. Pkt. 5c. 1/2 pt. 20c. oz. 60c.

IOWA STANDARD LATE SWEET CORN.—Produces large sized ears and usually has two or three ears to each stalk, sometimes more. Ears are of large size and very sweet. Begins bearing in mid-season and continues until severe frost. Pkt. 5c. 1/2 pt. 15c. qt. 50c.

IOWA STANDARD CUCUMBER.—The handsomest of long green varieties. Are well formed and hold their color excellently. Pkt. 10c. oz. 20c. 1/4 lb. 50c. lb. \$1.50.

IOWA STANDARD LETTUCE.—One of the finest family sorts in existence. Of large size, fine color and excellent quality; does not run to seed quickly. Pkt. 5c. oz. 15c. 1/4 lb. 45c. lb. \$1.25.

grown by a vast number of our customers, we have selected the following sorts which we believe will prove the most generally satisfactory for the family garden and most of the kinds are also very desirable for Market Gardeners. Every variety has our personal recommendation and some of them are kinds which we have been growing for years past but have never before offered them in our catalogue. We give each of the varieties the name "Iowa Standard" and you cannot make a mistake in ordering them for your garden

IOWA STANDARD MUSK MELON.—A deliciously sweet variety of rather small size, but each vine produces a large number of fruits, which are green and netted over the outside, and of bright golden red flesh. Pkt. 10c. oz. 20c. 1/4 lb. 50c. lb. \$1.50.

IOWA STANDARD WATERMELON.—This extra fine new variety is well shown by our cut. It is of the most desirable shape and color, of medium to large size and as good quality as any melon on our list, equalled only by the Monte Cristo, which it surpasses in some respects. Bright red flesh. Excellent for shipping. Pkt. 10c. oz. 25c. 1/4 lb. 75c. lb. \$2.50.

IOWA STANDARD ONION.—An extra fine large round or globe-shaped variety of handsome bright yellow color, medium strength and good quality. Pkt. 10c. oz. 25c. 1/4 lb. 75c. lb. \$2.75.

IOWA STANDARD EARLY PEAS.—Beyond question the finest quality of any early maturing variety. Will produce peas almost as early as the Alaska, and they are very much sweeter and better. Pkt. 10c. 1/2 pt. 20c. qt. 60c.

IOWA STANDARD LATE PEAS.—Of the very best quality. Of vigorous, but still dwarf, healthy growth. An enormous cropper, both the pods and peas being of large size and the quality is par excellence. Pkt. 10c. 1/2 pt. 20c. qt. 60c.

IOWA STANDARD PARSNIPS.—Parsnips are a profitable crop not only for fall and winter use but quality is still better when dug in the early spring. The Iowa Standard is somewhat longer than the Table Guernsey. They are smooth and uniform in size and shape. Pkt. 5c. oz. 10c. 1/4 lb. 30c. lb. 85c.

IOWA STANDARD EARLY RADISH.—If you are only growing one variety of radish, we are sure you will be pleased with this choice sort. It is larger in size and considerably longer than the Scarlet Globe, and of handsome bright scarlet color throughout. Pkt. 5c. oz. 15c. 1/4 lb. 40c.

IOWA STANDARD SQUASH.—This is a most excellent winter variety, keeping as long as the Hubbard and being, we think, of better quality. Can also be used as a summer variety as quality is excellent early in the season. Pkt. 5c. oz. 15c. 1/4 lb. 50c.

IOWA STANDARD TOMATO.—Of medium size with perfect shape and one of the most productive varieties that we have ever seen, the fruit being so perfect and even as to almost have the appearance of having been made in a mold. Pkt. 10c. oz. 30c. 1/4 lb. \$1.00.





Everyone likes Nasturtiums and who can help it as it is during the hottest, driest weather that they look the brightest and most cheerful. Their bright green leaves and fresh beautiful flowers are truly charming. The Kaleidoscope is we are convinced the finest of all Nasturtiums owing to the immense number and great variety of flowers produced. A single plant will often have in bloom on it at one time a dozen or more apparently distinct varieties and colors, thus giving it a most charming appearance. Some of the flowers are of clear color and various shades of yellow, orange, red, pink and creamy white, while others are variously blotched, splashed, striped or bordered with rich contrasting shades. This gives the plant a decidedly unique appearance. The plants are of strong vigorous trailing or climbing growth and can be grown on the ground or trained up on a trellis by tying to the frame work or wires. They are especially suitable for growing over stumps, rockery or low fences and if well grown they will produce an immense number of flowers. If plants are started early in the house and set out as soon as the ground becomes warm the number of flowers produced during the season will be truly marvelous. The oftener the flowers are picked the more will be produced. Every flower lover should try it. Pkt. 10c, oz. 30c.

KALEIDOSCOPE NASTURTIUM.

All flower lovers will want to try some of these "Gems of the Floral Kingdom" this year as our list contains many varieties which are especially desirable and of surpassing beauty. Most of them are very easily grown and we are sure that they will give satisfaction. Why not plan to have the most attractive flower garden in your vicinity this year.

A great novelty from New South Wales botanically known as *Polygalma*. The plants have long narrow leaves while the flowers somewhat resemble small quilled asters, about $1\frac{1}{2}$ inches in diameter, or just the size of a silver dollar. The plant is literally covered with these flowers, our cut being a very poor illustration of the bush. Flowers are silvery white, while center petals are yellow, giving the appearance of a five dollar gold piece laid in the center of a silver dollar, which at a few feet distant is quite striking and has given the plant its name. It is intensely double, blooms freely and is decidedly ornamental, not only in beds, but also for cut flowers. This is not all, however, as they are everlasting and look as pretty when dry as fresh. Pkt. 10c.

BIRD OF PARADISE FLOWER.

This plant properly known as *Poinciana Gilzei*, may be considered one of the wonders of nature, as it is of curious and strange form. Flowers are $2\frac{1}{2}$ inches in diameter and produced in large trusses, of a rich golden yellow, attractive part being the large pistils, which are of crimson color and spread out in fan shape. If started early will produce a profusion of blooms the first year. Per pkt. of 10 seeds 10c.

VERBENA AUBLETIA.

This handsome variety which is a native of this country is quite popular in Europe, but has we believe never been introduced or offered to any extent by the American seedsmen. It seems strange that such a desirable floral treasure should have been so long neglected and the sale of other less worthy sorts pushed simply because they were foreign. It is of much more robust vigorous growth than the common Verbenas, as well as more hardy and easily grown. It begins to bloom in June and the plants are covered with a constant succession of bright rosy purple flowers until October. The plants are of somewhat drooping habit but branch freely and each stem is surmounted with bloom seeming to improve daily in appearance as the season advances. Pkt. 15c.

SWEET SCENTED MAYFLOWER VERBENA.

This is of the same trailing habit as the Arbutus or Mayflower, its branches creeping over the ground and hugging it closely. Its blossoms are of the same shape and about the same size. Has lovely pink and white color, making its flowers resemble the arbutus and has the same fragrance. Pkt. 10c.



VERBENA AUBLETIA.



DOUBLE SWEET PEAS.

MEXICAN BURNING BUSH.

This we consider one of the most ornamental border or hedge plants which has ever been brought out and it is sure to attract great attention. It is known botanically as *Kochia Scoparia*. It grows quickly from seed sown in the open ground. The plants are always of the rounded or globe-like form shown in our illustration. The plants branch freely, and the stems are clothed with slender green leaves. Early in the fall the ends of the shoots are thickly set with small, bright scarlet flowers, the bushy plants resembling balls of fire. The plants are equally showy planted singly to show the round, ball-like form on all sides or grown in continuous rows. Very desirable to use as a hedge plant. Pkt. 15c.

BURBANK'S CRIMSON ESCHSCHOLTZIA.

This choice novelty is one of Mr. Burbank's great achievements, being the result of nine years' careful selection from a chance sport in a bed of yellow Eschscholtzias, California's state flower. This new flower is of a bright handsome crimson. It is one of the most easily grown plants producing a profusion of flowers. Pkt. 15c.



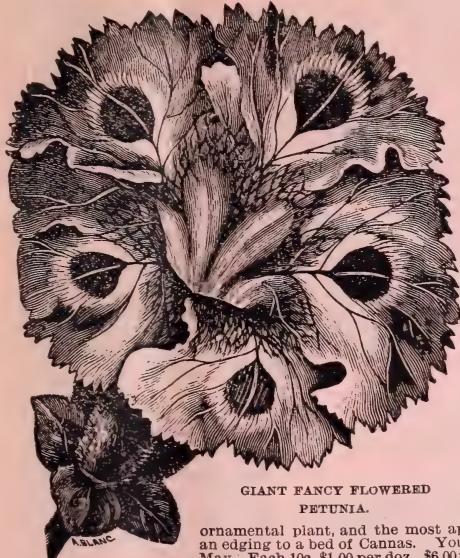
GOLD AND SILVER FLOWER.

DOUBLE SWEET PEAS.

By hybridizing and selection, the new double flowered sweet pea have been produced and they are not only beautiful but the flower is quite lasting. About half of the plants from this seed produce flowers which are double and semi-double. Our mixture contains all the best varieties yet brought out, white, rose, crimson, maroon, lavender, striped, etc. Try them. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 85c.



MEXICAN BURNING BUSH.



GIANT FANCY FLOWERED PETUNIA.

GIANT FANCY FLOWERED PETUNIA.

A grand new strain and unquestionably the finest selection of petunia in existence as it is of incomparable beauty, size and luxuriance. Many of the flowers are exquisitely ruffled or fringed on the edges, and are of enormous dimensions (4 to 5 inches across), but their great merit lies in the unlimited varieties of colors, markings, veinings, blotchings and stripings, in the most grotesque and beautiful combinations; with deep throats of charming yellow, white, black, green or maroon, running off into intricate veins. If you like beautiful petunias be sure to include this variety in your order. Produces very little seed and therefore will always be high in price. Worth about double its weight in gold. Pkt. 25c.

BURBANK'S SHASTA DAISY.

One of the most marvelous productions in the flower line that has ever been brought to the notice of floriculturists. It can be grown out of doors by anybody where it is not cold enough to kill oak trees. It is perennial, blooming better and more abundantly each season. The flowers are extremely large and graceful, averaging about four inches in diameter with three or more rows of petals of the purest glistening whiteness, and are borne on single, stiff, wiry stems, nearly two feet in length. It originated with Luther Burbank. Seed per pkt. 10c. Strong plants 15c each, \$1.50 per dozen.

PURPLEFOUNTAINGRASS

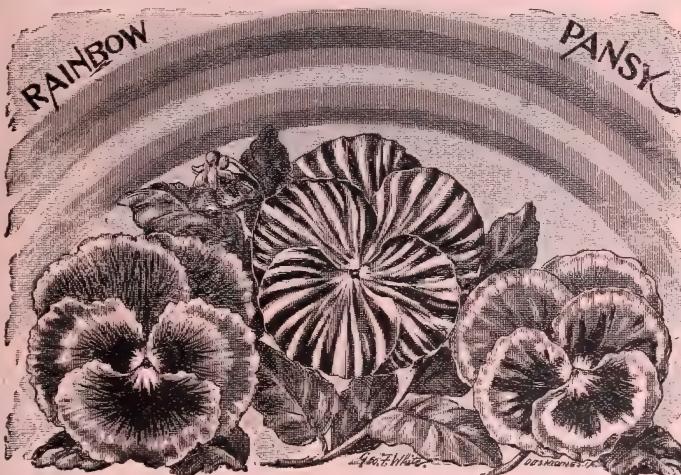
Pennisetum Rupeppelianum.—A beautiful annual grass, growing about 2½ ft. high, producing long, graceful, cylindrical, purplish plumes. An excellent

SHASTA DAISY
HUNNEMANNIA.

"Bush Eschscholtzia" Flowers are cup-shaped and about 3 in. in diameter. Color clear, bright yellow having a satiny sheen over the surface. Pkt. 10c.

NEW RAINBOW PANSIES.

The best novelty in pansies and certainly the most charming variety ever sent out. We have given it the name of New Rainbow, and consider it very appropriate owing to its beautiful iridescent colors. Our illustration shows three of the leading types of this mixture by which you will see the varied styles of variegation, but no illustration can do justice to its superior beauty. There is an almost endless variety of colors comprising all shades of the rainbow—blue, purple, crimson, brown, yellow, pink, red, white and black, beautifully marked, striped, veined, margined and blotched: the colors are more beautiful than any painter could depict. In a good sized bed you can readily find one hundred different varieties, but not a poor one or an inferior one. The flowers are of large size and perfect in form, nearly circular and most of them have a rich, velvety appearance; they will astonish and delight "pansy fanciers." Packet of 100 seeds 25c; large, strong plants of Rainbow Pansy, 50c a dozen postpaid.



ARCTOTIS GRANDIS.

One of the finest floral novelties of the season. It is a remarkably handsome annual which forms much-branched bushes 2 to 3 feet high, the foliage is soft and downy and of a whitish color; its flowers, borne on long stems rising well above the foliage, are large and showy; the ray florets pure white on the upper surface, embellished with a narrow yellow zone at their base; the reverse of petals pale lilac-blue; the disc is light blue with slightly projecting white stamens; altogether a lovely flower. Pkt. 10c.

ELEGANT PALMS.

These for centuries past have been exclusively for the rich, the plants usually selling at \$3.00 to \$100.00 each, and in some cases fine plants of the rarer sorts brought as high as \$1,500 each. It is now known, however, that they are easily grown from seed. Directions for growing printed on the packet.

PHENIX DACTYLIFERA.—A native of northern Africa; beautiful for pot culture, and very hardy. This is the palm from which the date of commerce is obtained. Pkt. of 10 seeds 5c.

WASHINGTONIA FILIFERA.—Stands dust, dry air and lack of sunshine, its fan-shaped leaves are fringed with long threadlike filaments. Pkt. of 12 seeds, 5c.

UMBRELLA PALM.—(*Cyperus*)—See description on page 85. Pkt. of 100 seeds, 10c.

LATANIA BORBONICA.—This is the typical palm, is more largely used than any other; of strong, healthy habits; very desirable for house culture. Per pkt. of 6 seeds. 10c.

CHAMÆROPS EXCELSA.—One of the very best plants for house culture in cool climates, and stands in ill usage remarkably well. Pkt. of 10 seeds, 10c.

BANANA PALM.—(*Musa Ensete*).—Leaves very long and broad, green, with crimson mid-rib. Pkt. of 3 seeds, 10c.

A GRAND OFFER

One packet of each of the six elegant varieties of Palms mentioned above for only 35c. Plants of the Latania Palm 25c each, postpaid. Larger plants, of magnificent appearance, \$1.00 to \$5.00 each, by express not prepaid.



LATANIA BORBONICA PALM.

CELOSIA SPICATA.

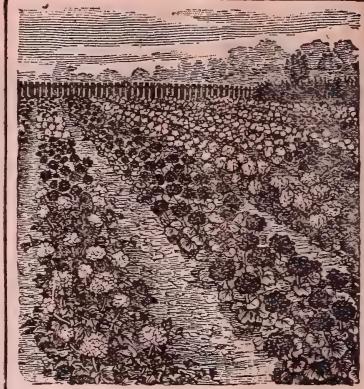
A wonderful new variety of Celosia and far different from any ever before seen. It is a handsome annual, forming upright, well branched pyramids, about $2\frac{1}{2}$ feet in height, and producing at the summit of each branch spikes of flowers of a bright rose color when opening, changing to silvery white; fine for the garden or growing in pots. Pkt. 15c.

GOOD VENTURE GERANIUM.

You can grow Geraniums from seed, and as they sport, the gardener is frequently rewarded by charming new varieties, and may obtain a novelty of much value, especially if this new strain of seed is used. When visiting the fields of a geranium specialist in California, we noticed one lot of many hundred plants which were particularly fine. They were well worth saving these for seed, and we made arrangements at once for the seed, paying more than a dozen times what ordinary good seed would cost us. They are giant flowering, the flowers are round and of most perfect form and borne in splendid trusses, some of them being of immense size. They are beautiful crimson, scarlet, salmon, pink, rose, snowy white, and aurole. Start seed in the hotbed or shallow boxes of rich soil in a warm, sunny window, covering but one-eighth inch. Per pkt. 15c.

PENTSTEMON GLOXINOIDES.

We have always thought highly of the Pentstemon but when we saw this variety growing near Hartz mountains in Germany, we were delighted and purchased the stock at once. It is a hardy perennial and if sown early will bloom the first year. Of graceful growth, with many spikes of Gloxinia-like flowers 2 inches across; of crimson, white, rose, purple, etc., beautifully edged and marked; blooms from June to October. Give rich soil and good culture. Pkt. 10c.



GOOD VENTURE GERANIUM.

AMERICAN BANNER LARKSPUR.

This handsome flower originated on our grounds and was so distinct from all other flowers that it struck at once our favor. The illustration represents a single stem showing how loaded the plants are with flowers. The name American Banner was given because it is the only flower we know of that combines the national colors—red, white, and blue—in each flower. Plants grow to a height of about 2 feet, of good regular shape, with delicate fern-like foliage, a vigorous grower, and it is not injured by dry weather. The plants are fairly loaded with long spikes of double striped and blotched flowers, having various shades of pink, carmine, dark blue, purple, white, delicately and beautifully blended, sometimes four or five shades on a single floweret. Pkt. 10c.

STOKESIA CYANEA.

A beautiful native plant sometimes known as Cornflower Aster, blooms from July to October, blossoms looks like Centaurea and are of a beautiful lavender blue color. Pkt. 15c.

JONAH'S GOURD ON RESIDENCE IN WASHINGTON, D. C.**JONAH'S GOURD.**

"And the Lord prepared a gourd and made it to come up over Jonah that it might be a shadow over his head,"—

—Jonah 4:6

Four years ago one of our friends was traveling in Asia and the Holy Land, and in driving through the country near Joppa he noticed a peculiar vine which grew about 50 or 60 feet in length along a fence. He was interested in it, and on making inquiry found that in that country it went by the name of Jonah's Gourd, and is probably the variety which sheltered the prophet. After considerable trouble he secured some of the seed and presented them to us. We have grown them both in our trial grounds and on our farm and we were much pleased with the plant. It grows with wonderful rapidity and will quickly climb to the top of tall trees, and it therefore will be useful for covering old trees, walls, porches, outbuildings, etc. Leaves are quite large, flowers are pure white, two or three inches in diameter and the fruits are of great length resembling the well known Hercules Club variety. Our illustration was made from a photograph of the residence of J. B. Hammond, on one of the finest streets of Washington, D. C. Mr. Hammond says that President Roosevelt frequently saw and greatly admired it. The two vines covering the house were very attractive and produced seven large gourds. Pkt. of 12 seeds for 10c, 3 pkt. for 25c.

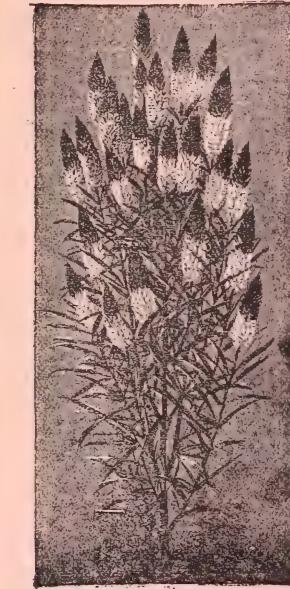
COMMELINA SELLOWINA.

A lovely perpetual flowering "Wandering Jew," suitable for the garden in summer or for pots all the year. The flowers look like blue butterflies; blooms in a short time from seed and is a beautiful and showy flower which is sure to prove satisfactory. Pkt. 10c.

BABY SUNFLOWER.

A dwarf branching Sunflower (*Helianthus Perico*), growing less than two feet high, loaded at all times with lovely Cosmo-like blossoms, of perfect shape and wide spreading petals. Bright yellow, with black center. A beautiful grower. Pkt. 5c.

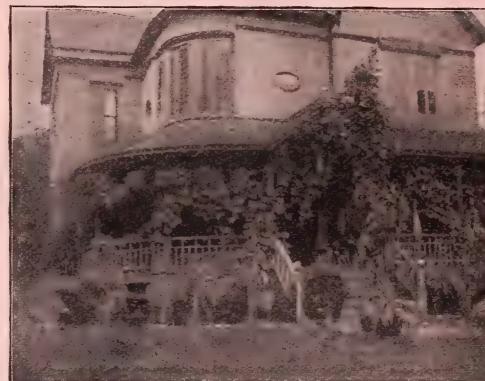
PERENNIAL PHLOX ARE BECOMING "ALL THE RAGE," AND THEY ARE GRAND FLOWERS.



CELOSIA SPICATA.

ELECTRIC LIGHT PLANT.

Near the entrance to Greenwood Park of this city there was a large bed of flowers which attracted universal attention. It bloomed constantly throughout the season. They were called "Electric Light Plants," though they are evidently some improved variety of Cleome. We secured the seed which these plants produced and last summer grew a fine crop of it on our farm. It is a strong, bushy, annual growing to a height of about four feet and covered constantly with large spikes of flowers, 6 to 9 inches long, which are pure white at base and ranging from rose to a bright red at apex. Grows readily from seed which should be planted in open ground early in spring. It makes one of the most showy, ornamental plants imaginable for clumps and massing. Don't fail to try it as it is very fine. The seed pods of this attractive novelty, which are separate from the flower heads add to the distinctive features. Pkt. 10c.



JONAH'S GOURD ON RESIDENCE IN WASHINGTON, D. C.

of a beautiful lavender blue color. Pkt. 15c.



ELECTRIC LIGHT PLANT.



AMERICAN BANNER LARKSPUR.

EVERBLOOMING ANNUAL HOLLYHOCKS.

The Hollyhock has always been one of the most showy of garden flowers and very desirable for massing, borders and backgrounds, the one objection to it being that it was a biennial and did not bloom to perfection until the second year. This fine new variety may be started in the house in March or April, set out in May and comes into bloom in July, and will continue in flower until killing frosts in the fall. Or seed may be sown in the open ground in May and will bloom in August. Plants are of vigorous growth from 5 to 8 feet high, according to the soil, and the stalks are fairly loaded with large flowers, sometimes 5 inches across. These flowers are of a great variety of colors, crimson, canary, yellow, pink, white, maroon, black, scarlet, etc., some of them beautifully veined and marked, double, semi-double and single. They will surely please everyone. Pkt. 15c.

MISS ALICE ROOSEVELT ASTER.

A most charming new variety from England, named in honor of our president's daughter. It belongs to the Victoria class and is of a pale, creamy yellow, or primrose, tint, changing to a beautiful rosy pink. It is a continuous bloomer, and shows several shades and colors at all times on the same plant, thus making a showy novelty. Pkt. 10c.



EVERBLOOMING ANNUAL HOLLYHOCK.



GLORIA, OR BUTTONHOLE ASTER.



Miss Alice Roosevelt-Aster.

GLORIA or BUTTONHOLE ASTER

One of the prettiest little plants for bedding that we know of. They grow to a height of 10 inches, are very branching and free blooming. As many as 40 flowers have been counted on some plants. The flowers are about $2\frac{1}{2}$ inches in diameter, and pure white with a brilliant scarlet margin. Pkt. 10c.

NICOTIANA SANDERAE HYBRIDS.

A grand novelty and one which will delight all flower lovers. The Sanderae is of a beautiful rosie carmine color and blooms freely. These new hybrids have also the various shades of purple, pink, red, salmon, violet and white. Grows about two feet high, branches freely and is fairly loaded with flowers which are open all day instead of being a night bloomer like some other sorts. Sow seeds early in the house and transplant in May to the open ground. Mixed colors, plt. 15c.

OTHER DESIRABLE FLOWERS.

Asclepias, Cuirasavica.....	Pkt. 15c	Christmas Pepper.....	Pkt. 10c
Centaurea, Imperialis.....	" 10c	Cianthus, Damptieri.....	" 10c
Clitoria, Ternata.....	" 10c	Dolichos, Darkness.....	" 5c
Cockscomb, Grand Empress.....	" 5c	Dolichos, Daylight.....	" 5c
Cockscomb, Golden Glow.....	" 10c	Impatiens, Sultan.....	" 10c
Coleus, Rainbow Mixed.....	" 15c	Lycchnis, Chaledonica.....	" 5c
Coleus, Fine Mixed.....	" 10c	Mecomopsis, California.....	" 25c
Chinese Lantern Plant.....	" 10c	Poppy, Burbank's Nodicaule.....	" 10c
Chinese Kudzu Vine.....	" 15c		

Asclepias, Cuirasavica..... Pkt. 15c Christmas Pepper..... Pkt. 10c

Centaurea, Imperialis..... " 10c Cianthus, Damptieri..... " 10c

Clitoria, Ternata..... " 10c Dolichos, Darkness..... " 5c

Cockscomb, Grand Empress..... " 5c Dolichos, Daylight..... " 5c

Cockscomb, Golden Glow..... " 10c Impatiens, Sultan..... " 10c

Coleus, Rainbow Mixed..... " 15c Lycchnis, Chaledonica..... " 5c

Coleus, Fine Mixed..... " 10c Mecomopsis, California..... " 25c

Chinese Lantern Plant..... " 10c Poppy, Burbank's Nodicaule..... " 10c

BLAND'S EARLY JUNE ASTER.
Decidedly the earliest flowering Aster, being a week two weeks earlier than Queen of the Market and other extra early sorts. Flowers of good size, pure white and continuous bloomers. The stems are long thus making them fine for cutting. Pkt. 15c.

LEMON QUEEN MARIGOLD.

A charming new variety producing large bell shaped flowers of clear lemon or canary yellow color making them closely resemble large double yellow Dahlias only produced more abundantly on longer stems. They begin blooming early and bear continuously. Pkt. 10c.

FRUIT NOVELTIES FOR 1908.

It requires very little space to produce sufficient fruit to supply the family and there is no crop which pays better. It will pay you to test the following novelties, but don't fail to examine our complete list on pages 92 and 93 of this catalogue.

IRONCLAD PEACH.

Peaches can be grown in Iowa and have been grown profitably here for many years past. This choice variety originated from seed planted 29 years ago on the farm of Geo. Hadsall, near this city. It began bearing 25 years ago and has only missed two crops during that time. It never winter kills, even when the temperature is 30 degrees below zero, and the old original tree is still bearing fruit. Another peculiarity is that the seedlings always come true to name. They do much better here than the grafted trees. It is a free stone; fruit of medium to large size, of handsome yellowish color with blushing cheek; flesh white, juicy and delicious medium early. Has taken first premium at the Iowa State Fair. Strong trees, 3 to 4 ft. high, 50c each, \$4.00 per doz.



IRONCLAD PEACH.

the Iowa State Fair.

THE KING GRAPE.

A grand, new variety which is attracting great attention among fruit growers in all parts of the United States. It originated from the Concord, with it resembles in color and flavor, but the fruits are much larger, the pulp more tender and delicious and the seeds fewer. The clusters are of very much larger size. It originated in Michigan and has been very highly recommended by the Michigan State Horticultural Society. Not only is the individual grape of mammoth size, sometimes three inches in circumference, but the bunch also is very large, compact and presents an exceptionally fine appearance on the market. A splendid shipping sort and one of the best keepers we have ever seen. Strong well grown vines, 50 cents each, \$4.50 per doz.

TREE STRAWBERRY. Also called Strawberry-Raspberry.

A very beautiful and useful new fruit from Japan. Bushy from 18 inches to 2 feet in height, entirely hardy and impervious to heat and drought. The berries are larger than the largest strawberries, bright shining scarlet with an exquisite bloom. It makes excellent jelly, jams and tarts, having a delicious flavor entirely different from any other fruit. An immense yielder, producing regularly and abundantly. It bears the first season and gets stronger and larger each year. All lovers of fruit should give it a trial. Nice plants 25 cents each, \$5.50 per dozen.

Garden Huckleberry

When this new fruit was first offered to us last spring we had but little confidence in it, but after growing it on our own grounds we gladly recommend it to our customers. It belongs to the huckleberry family (*Solanum Nigrum*), which is the same class botanically as the Tomato, Egg Plant, Potato and other well known plants. In South Dakota it is known as *Stubbleberry* and is quite popular. The fruit is non-edible and by some considered injurious when green, but when ripe they are large, about one-half inch in diameter, of shining black color and make delicious pies, preserves and jam. Plants are easily grown and immensely productive. Full directions for cooking will be sent with each pack. age. Pkt. 10c.



GARDEN HUCKLEBERRY.

- Flower Plant Novelties -

The Novelty Pages in a catalogue are always of interest to flower lovers and this year we offer many valuable novelties in flower plants which have been collected from various parts of the world and thoroughly tested in our own greenhouses and on our trial grounds. Descriptions were carefully made from nature and we are sure all will please our customers. In our general list, on pages 69 to 91, will also be found many valuable novelties in this line. Plant orders should amount to at least 25 cents. You may select plants amounting to \$1.20 for \$1.00, \$2.50 for \$2.00, or \$7.00 for \$5.00, postpaid.

MOSCHOSMA RIPARIUM.

A decided novelty now offered for the first time and we believe it will soon become very popular. It was first brought to this country about a year ago from Tropical South Africa, and has been grown and tested by perhaps a dozen florists in various parts of the country and has everywhere given such satisfaction that we list it with confidence. We consider it one of the very best winter flowering plants ever introduced. It is as easily grown as a Coleus or Chrysanthemum, the leaves are very fragrant throughout the year and it begins blooming in December and continues loaded with bloom until late in March. The shape of a well grown plant is shown by our cut but it is impossible to give any adequate idea of its beauty. Each branch ends with a dense featherly plume of small white flowers. Such a great novelty would usually be sent out at about forty to fifty cents per plant but we purchased a large number to begin with and have had such good success in growing that we offer the plants at only 15 cts, each, \$1.50 per dozen.

LONICERA KURTZWEILII.

A new purple-leaved variety of Honeysuckle which originated with Mr. Kurtzweil. It is a sport of the popular Hall's Japan, but is radically different from all other varieties. Has dark purple leaves thickly set on the strong vines. Is a vigorous, tall-growing sort attaining a great height the first season. The large clusters of flowers are produced in profusion and are a charming combination of clear pink and dark red. It is a most desirable vine for porches, arbors, trellises, etc., and a striking novelty which is sure to attract much attention. Each 20c; extra large plants 50c.

MOSCHOSMA RIPARIUM.

ARALIA SPINOSA.

A wonderfully showy, tree-like shrub growing on good soil to a height of 12 or 15 feet, but usually attaining a height of only 8 to 10 feet when kept as a specimen plant on the lawn. It is of very tropical appearance with large leaves 18 to 30 inches wide divided into smaller leaflets. The main stem or trunk is covered with long sharp spines which give it a peculiar appearance especially in winter when the leaves have dropped and it is frequently called Hercules Club or Devil's Walking Stick. In August the plant is surmounted with immense panicles of pure white flowers. It is one of the most showy shrubs on our place, and although it is of such tropical appearance it has proved perfectly hardy here, standing a temperature of 30 degrees below zero without protection. Fine plants 40c, postpaid. Larger sizes by express, at purchaser's expense, 2 to 3 feet \$1.00; 4 to 6 ft. \$2.00; 6 to 10 ft. \$3.00 each.

DRACENA TERMINALIS.

One of the most beautiful ornamental foliage plants; very desirable for pot culture or growing in vases. The long, wavy leaves combine the most showy tints of red, yellow and green, making at all times a handsome plant. Each 25c.

BUSH CLEMATIS.

A low-growing, bushy, herbaceous plant with handsome, deep green foliage and bearing grand clusters of beautiful, large, bell-shaped flowers; lovely violet blue; just the color and shape of Clematis Jackmanii; blooms from June to October. Each 15c; large size 25c.



ALLIANCE GERANIUM.

An exquisitely beautiful novelty, a cross between an Ivy and a Zonal Geranium, containing all the best points of both parents. The flowers are large, semi-double, and produced in fine trusses. The color is an exquisite shade of pale lilac-pink, the upper petals feathered and blotched rich crimson maroon; distinct and pleasing; foliage light green with heavy zone of darker green; certainly a magnificent and striking variety. Introduced last year at 5c each, but in order that more of our customers may try it we have reduced the price this year to 2c each; \$2.50 per doz.

AMERICAN BEAUTY COLLECTION.

Who has not heard of the American Beauty, the world renowned rose famed in story, poetry and song. The cut flowers frequently being sold during the winter season at \$10.00 to \$25.00 per dozen. What flower lover has not dreamed that some day she would have a "garden of roses," with American Beauties galore? Last year we offered a collection of six colors, namely: red, white, pink, black, striped and moss Beauties and there was such an immense call for them that we have decided to repeat the offer. One plant each of the six Beauties for only 75c, or a large two-year-old plant of each for \$1.85, charges prepaid.

HARDY PRAIRIE DAHLIA.

Everyone who sees this attractive flower is much impressed with its beauty. It is a variety of *Helianthus* which is a perfectly hardy perennial, withstanding our severest winters in the western prairie states without protection. It does not produce seeds but the roots can be divided. Plants are of robust growth, about 3 feet high, and produce immense numbers of beautiful bright golden yellow flowers greatly resembling Dahlias, which have long stems and are fine for cutting. It is a most desirable plant which is sure to please every flower lover. We strongly recommend it, also, for hedge rows or divisions at back of lawn.

The plants that arrived last week and those received today are just as ordered and reached here in good condition. —MRS. ALEX ROBINSON, Bencina, Colorado.

Brussels, Belgium, Sept. 23.—The seven Rose Bushes which you sent me last spring, came through in good shape and are now growing nicely. —CHARLES J. MURPHY.

GRACE PAGE GERANIUM

This we consider one of the finest plant novelties of the season, and we permitted our florist to name it in honor of the daughter of the manager of this company. It is identical with the old standard dark crimson S. A. Nutt. Geranium, except in foliage which is beautifully variegated. Nothing in geraniums can surpass the beauty of this variety with its large trusses of double crimson flowers against their variegated background. It is a sport from the S. A. Nutt, of vigorous growth and an exceedingly profuse bloomer. The leaves are of dark green and each bears a border of pure snowy white. We are safe in saying that there is no variegated sort on the market which blooms so freely. It is well adapted either for pot culture or bedding, and is a strong grower and good bloomer. Don't fail to try it. Each 20c, per dozen \$2.00.

THE FAIRY WATER LILY.

Leaves strikingly like a water lily but of a yellowish color, with darker veins, dark purple underneath and curiously rough and pitted. Its flowers which are produced freely the year round, are white with a yellow center like miniature Water Lilies and curiously borne on same stem which bears leaves. Grows in either deep or shallow water. A charming plant for the aquarium. Nice plants 15c, 4 for 50c.



ELEGANT NEW ROSES.

WHITE BABY RAMBLER.—Novelty of 1908.—We believe that there was never a rose offered which had a greater run than the Baby Rambler which was introduced three years ago but now we have this fine companion for it which is still more desirable. It is an even more constant bloomer than the Crimson Baby Rambler, being covered with flowers all the time. The flowers are small pure white and quite double. It is not only desirable but a beautiful new rose which we are sure every flower lover will want. Each 25c.

LADY GAY RAMBLER.—The following is from the introducer's description: "A seedling from the popular Crimson Rambler which is resembles in habit and general effect. The flowers are of a delicate cherry pink color which fades to soft white. The foliage is very profuse and of a glossy deep green shade. The effect of a plant in full bloom, with the combination of the soft white flowers, the cherry pink buds, and the deep green foliage, is indeed most charming. The flowers are very numerous, of good size and delicately perfumed. The plant is a vigorous grower and perfectly hardy." This is a rose of the highest merit, a new color, of which one will not become tired. Each 25c.

BIRDIE BLYE ROSE.—This grand new ever-blooming variety is undoubtedly one of the choicest new sorts which has been introduced for many years past. It is very hardy, living over the winter with slight protection. It forms a fine, handsome bush 3 to 4 feet high, with glossy foliage, and blooms constantly from early June till freezing weather, producing at the end of every shoot clusters of bright, satiny-rose blossoms, quite double, intensely fragrant, and over 3 inches in diameter. The buds are long and pointed and a bright carmine color. It was named after "Birdie Blye" or Miss Birdie Blye as her name really is, the world renowned musician who has become so famous in Europe as well as in America. She formerly lived in Des Moines, not far from our greenhouses. Each 20c. Two year old 50c.

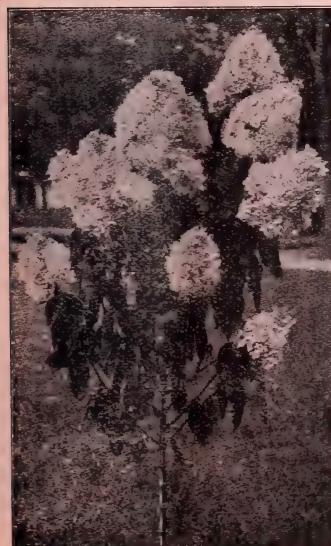
RICHMOND ROSE.—This is a grand rose for house culture and forcing. It is a very remarkably strong grower and free bloomer, producing splendid buds and flowers on fine long stems; bright glowing scarlet crimson, exceedingly bright and beautiful; does not mildew or black-spot, and is undoubtedly one of the very best roses lately introduced. Each 15c. Two year old 40c.

LA DETROIT ROSE.—The La Detroit Rose is a magnificent new Hybrid Tea Rose, of largest size and splendid form; color clear flesh pink, shading to deep rose; fine broad shell-shaped petals, very full and deliciously tea scented; a vigorous grower and abundant bloomer. One of the handsomest and most promising of the new roses. Each 20c.

SUNRISE ROSE.—This grand rose has taken first honors in the cut flower shows. When in bud form it is a deep coppery pink color, but as the blossoms open the inner side of petals shade from clear yellow to deep copper color, thus making a pleasing color effect. It has the true Bon Silene fragrance and is desirable both in bud and in full bloom. Each 15c.

TULIP ROSE.—(Madam de Watterive.)—The flower when half open is in the shape of a tulip, and also of a rich variegated color. It is a remarkable shade of cream yellow suffused with rosy blush. Petals are large and each is broadly bordered with bright crimson, feathery shaded. Each 20c;

WHITE AMERICAN BEAUTY.—(Frau Karl Drusckki.)—A strong growing, extremely hardy new variety with large heavy foliage. The glory of this plant, however, is its flowers, which are immense in size and an ordinary plant will produce hundreds of magnificent flowers, which are full, very deep and double and of splendid substance; petals broad, long and saucer-shaped. The bud is egg-shaped, long and pointed. Color snow-white, without a tinge of yellow, pink or any other color. Each 20c; large 2 year old plants 40c.



TREE HYDRANGEA.

BIRDIE BLYE ROSE.

WHITE PERFECTION.—Pure white. Blooms three inches and over in diameter, fringed; fragrant; exceedingly free blooming; early, continuous and vigorous. Each 15c.

SUNBIRD.—In our greenhouses this has proved to be by far the best of all yellows. The flowers are of good size, exceptionally bright color and very showy. They cannot fail to attract attention as they are so different from all others. The plant is a strong, healthy, vigorous grower and good bloomer. Each 15c.

LADY BOUNTIFUL.—Large, nicely filled flowers of purest white. Not only good for large sized blooms when given special care, but valuable for garden planting and pot culture. Very sweetly scented with that delightful, old-fashioned, clove fragrance lacking in many of the newer Carnations. Each 15c, dozen \$1.25.

VARIEGATED LAWSON.—Closely bearing out the admirable Lawson type in all respects, the color being a pretty commingling of pink and white. Each 15c.

TREE HYDRANGEA.

You are doubtless acquainted with the *Hydrangea paniculata grandiflora* described on page 84 of this catalogue which is one of the most popular and satisfactory hardy shrubs ever offered. It is, however, usually grown in shrub form branching out at the ground. This season, however, we have grown a few hundred trained into tree form as we believe it will prove still more satisfactory in that shape. The accompanying illustration shows a nice specimen but they become still more handsome as they grow older. Nice trees 2½ to 3 feet high. By express at purchaser's expense each 60c, dozen \$5.50.

ELEGANT TREE ROSES.

These Tree Roses are grafted on hardy rose stalks about four feet high, are tree shaped and when in full bloom, are objects of beauty, making handsome ornaments for the lawn or rose border. In this shape we offer only the Hybrid Perpetual or hardy class. We have them in white, the different shades of red, pink and crimson. Should be protected in winter. These are all grown in Holland and usually sell at \$1.50 to \$2.50 each, but this year we have imported a very large number of extra choice specimens which will bloom profusely the first year, and we offer them carefully packed and delivered in cars here at only \$1.00 each, \$9.00 per dozen. They can only be sent by express or freight.

TREE ROSE.

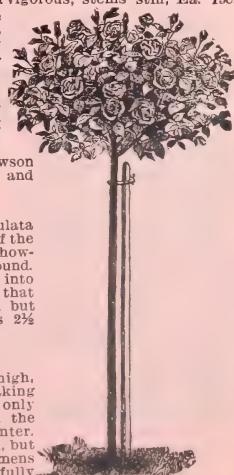


NEW CARNATIONS.

ROSE PINK ENCHANTRESS.

This elegant new variety which is a sport from the Enchantress, has created a great furor among florists and has captured the best prizes at flower shows. It is of extra large size and of beautiful rose color. Each 15c.

VICTORY.—Many carnation growers say it is the finest scarlet color of any carnation; even when the flowers are aged they seem to retain their bright color. Each 15c.



ELEGANTISSIMA FERN.

This is a "sport" from the well known Ostrich Plume Fern in which the plump peculiarity of the original form is even more distinctly developed, the side pinnae being again subdivided and standing at right angles to the midrib, making both sides of the frond equally beautiful while at the same time the plant is of much more compact habit, growing only one half as tall, but with fronds nearly twice as wide, making it a much more desirable plant for all purposes. They are quite rare. Each 25c.

WHITMANI FERN.

Combining all the graceful plumpness and charm of Elegantissima, with additional features of shape, size and growth that give it distinction and added commercial value. Whitmani is of more dwarf growth, but equalizes matters by compactness, and a wider, stockier shape. The fronds, although even more fine-cut, are more erect, and have proved less liable to revert to the original Boston type. Each 25c.

NIGHT BLOOMING JASMINE.

World famous, deliciously fragrant Night Blooming Jasmine (or Jessamine) about which poets have sung and over which tourists, in its native land (Chili) have gone into ecstasies, and yet how few comparatively, in our own country have ever seen it. It is of the easiest culture and still somewhat difficult for the ordinary florist to propagate and perhaps this is the reason why they are not better known. It is a plant of strong shrubby growth with handsome glossy green foliage and bears an immense number of small star-shaped flowers. The delightful fragrance is dispensed only at night. It begins to bloom when very small. Each 15c, 3 for 40c.

TREGO GERANIUM.

This geranium is a decided novelty as well as one of the strongest growing and most free flowering geranium. It is of robust, compact habit, regular in form. The trusses are of immense size, produced in profusion and borne on stiff stems held well above the foliage. The individual florets frequently measure $2\frac{1}{2}$ inches in diameter, semi-double, and of an intense brilliant, almost dazzling scarlet color. Each 15c, doz. \$1.50.

CHAMELEON GERANIUM.

An Improved Single New Life.—This was first sent out a number of years ago, but owing to its slow propagation was nearly lost, and it has not been prominently offered recently. When first introduced sold at \$5.00 per plant. It is what might be called a "sport" or "freak" of nature, as it is quite erratic in its growth as shown by our illustration. Some flowers are red, some white, some pinkish salmon; and some clearly striped with the three colors. Frequently one plant will have on it flowers of all three colors at the same time; others will bloom for months showing only one of these colors then changing to some other hue. Bears many trusses of large single flowers. Its name was suggested by its peculiar way of changing color. Each 15c, doz. \$1.50.

VARIEGATED STEVIA.

One of the finest ornamental foliage plants for bordering beds. It is a sturdy, rapid growing, compact plant, easily trimmed to any form desired. Leaves are long and narrow, set closely on the plant, and of beautiful bright green, clearly striped with broad bands of pure white. Each 15c, doz. \$1.50; per 100 \$8.00.

COUNTESS LOUISE ERDODY BEGONIA.

This variety is sometimes called "Snail Begonia" on account of the peculiar formation of the leaves. The form is exceedingly odd and unique. The striking peculiarity which distinguishes it from all other begonias consists in the fact that the two lobes at the base of the leaf do not grow side by side, but one of them winds in a spiral-like way until in a full-grown leaf there are four of these twists lying on top of the leaf nearly 2 inches high. The leaf has a metallic luster, dark silvery in the center, shading into coppery rose toward the margin, which is broadly and evenly edged with the same hue, but darker and more brilliant. Very curious. Each 20c. Large specimen plant 50c.



TUCICE ERDODY BEGONIA.



NIGHT BLOOMING JASMINE.

DOUBLE NASTURTIUM.

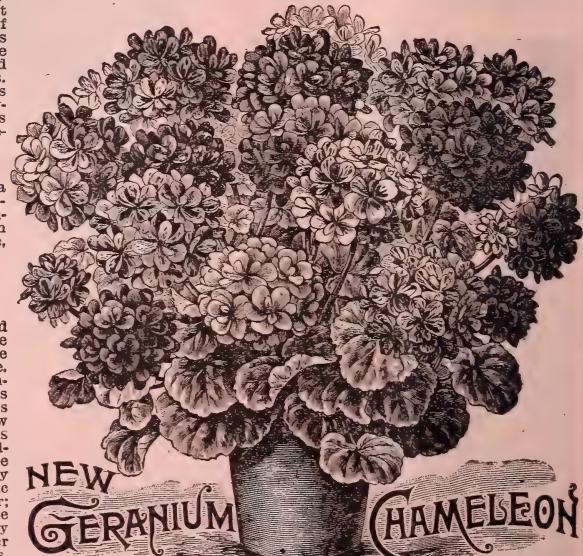
Did you ever see one? Few people have, but we have a fine lot of them this year and are offering them at a low price. It is a most charming novelty which is really difficult to describe. The flowers are large and fully double, which gives them a very different appearance from any others. Some flowers are of a bright yellow color and some a rich, dark orange crimson, with shading of deep mahogany red. It is not a "freak" with a few small insignificant flowers, but a really good double flower 2 to $2\frac{1}{2}$ inches across, which will instantly attract the attention of everyone who sees them. Plant is of climbing habit, and fine for trellises, window boxes, vases, etc. It never produces seed. Each 15c, doz. \$1.35.

ARUNDO DONAX.

An ornamental plant having wide, but grass-like foliage handsomely variegated white and green. Each 20c, doz. \$1.75.



DOUBLE NASTURTIUM.



NEW
GERANIUM

CHAMELEON

CHRYSANTHEMUMS.

Novelties which attracted universal attention at the great flower shows on account of their large size, exceptionally fine shape and handsome colors. Their large size is of course especially noticeable when grown as a single stem and only one flower allowed to develop on each plant.

GOLDMINE.—A monstrous flower of a rich golden yellow color; outer petals reflexed and center ones incurved in a whorl. A strong vigorous grower, making a beautiful pot plant. Each 15c.

HARRISON DICK.—Without question the finest red grown, makes a splendid pot plant. Each 15c.

CONVENT HALL.—Pure white with very broad center, petals and tubular ray florets. Each 15c.

GOLDEN CHADWICK.—A grand novelty and one of the finest yellow varieties ever introduced. Flowers are very large, globular and showy, many of them $\frac{7}{8}$ inches in diameter. Petals are broad, of great substance and handsomely curved. Each 20c.

SUNBURST.—This glorious new Chrysanthemum is an ideal exhibition or show flower, frequently measuring 22 inches in circumference and especially large when grown to single stem. It is of beautiful Japanese, somewhat incurved form, petals broad and of great substance. Intense golden yellow, with lighter yellow on reverse side, and appears so brilliant as to suggest its name. Each 20c.

A. J. BALFOUR.—A grand Japanese variety one of the finest bright dazzling rose pink; nothing to touch it in color. Each 20c.

DR. ENGUEHARD.—A magnificent new variety of very large size and solid appearance. It is a true bright pink, one of the largest and best ever introduced; handsomely incurved. Very pleasing appearance. Blooms early in November and makes a splendid pot plant with stiff stem and healthy foliage. Each 20c.

MRS. BUCKEE.—A fine, large, pure white; incurving with outer petals reflexed. Sure to give satisfaction. Each 15c.

W. T. ROBERTSON.—Large Japanese flesh colored rose; a grand grower; stem and foliage perfect. Midseason. Each 15c.

MARY ANN POCKETT.—A dwarf bushy grower, making a fine pot plant. Color a beautiful Indian red on opening, with a bronze reverse. As the flower ages it gradually incurves until it becomes a ball of bronze. Each 20c.

POLLY ROSE.—One of the very best large white varieties; a great favorite with florists. Blooms in midsummer. Ea. 15c.

YELLOW EATON.—An immense flower of bright golden yellow color. One of finest varieties of this color. Each 15c.

NEW DOUBLE BEGONIA.

All plant lovers will want to try this novelty. It is a new departure and one deserving the greatest praise for its strong, vigorous growth, attractive foliage, handsome shaped double flowers, brilliant colors and above all its wonderfully free flowering propensities. In fact, every branch is loaded with blossoms and the little cuttings produce flowers while still in the sand, almost before striking root. Of the easiest culture and desirable for either pots or bedding. Each 25c.

ORINOCO BANANA.

Large showy plants having large broad leaves and fine for the center of beds, adding a truly tropical effect. Each 25c.



DR. ENGUEHARD CHRYSANTHEMUM.

PONDEROSA OR AMERICAN WONDER LEMON.

Nothing has ever caused half the commotion that this wonderful Lemon has. It is a true ever-bearing variety. On a plant six feet high no less than eighty-nine of these ponderous lemons were growing at one time. It was a beautiful sight to see. The tree was blooming and at the same time had fruit in all stages of development, from the size of a pea to the ripe fruit, showing it to be a true ever-bearer. Blossoms waxy white and as fragrant as orange blossoms. Fruit has been taken from the tree weighing over four pounds. The lemons have very thin rinds for such large fruit. It is the juiciest of all lemons, makes delicious lemonade, and for culinary purposes cannot be excelled. It is not uncommon to make twelve pies from one lemon. It fruits when quite small and makes a lovely house plant. It will fruit freely the second year. Strong plants each 15c, postpaid. Large two-year-old plants 50c and 75c each by express.

SUNRAY FUCHSIA.

A novelty in the Fuchsia family. Very different from the other varieties in that their beauty lies in the foliage, from which it gets its name. All the colors of the sunset, clear yellow, golden bronze and red are combined in the most effective way to make a pretty foliage plant. Each 25c.

CHINESE KUDZU VINE.
JACK-AND-THE-BEAN-STALK VINE.

The phenomenal growth of this new Chinese hardy vine can hardly be imagined—sometimes 12 inches a day. The large leaves of bright green afford a dense shade. The clusters of rosy-purple, pea-shape flowers, 6 to 7 inches long, are very fragrant; invaluable for rapidly covering arbors, verandas, fences, dead or old trees, rockeries, etc. Perfectly hardy; 50 to 75 feet when well established. Fine seedling plants, each 20c; dozen \$2.00, postpaid.

CAMELIA VINE.

In the Camelia Vine (*Calystegia Pubescens*) we have a flower of true Camelia shape and size, perfectly double and of most beautiful delicate rose color. Of easiest culture growing well in any soil or location. Vine is of rapid growth, quickly covering trellis or porch and growing to a height of 15 or 20 feet. For best results set 12 to 18 inches apart. Leaves are lance shape, dark green, and lap like shingles. Roots live in ground over winter. Blooms continuously from May to October and pleases everyone. Each 15c, dozen \$1.50.

STREPTOSOLON.

A charming plant closely resembling the Browalia. It is desirable for the flower bed and also for winter blooming in the house. Makes nice bushy little plants 8 to 10 inches high, and blooms all the time, the plants being loaded with a great number of flowers. Large flowers, fully 2 inches across, lovely deep violet blue. No trouble to grow and a most constant and satisfactory bloomer. Winter and Summer. Strong plants. Each 15c, dozen \$1.25.



PONDEROSA LEMON.



CAMELIA VINE.

FLOWER BULBS.

Many of the most showy, attractive, inexpensive and easiest growth of all summer and autumn flowers are contained in this important class. There are scarcely any other flowers that can compare with the noble and brilliant spikes of the gladiolus, the grace and elegance of the lily, the purity and sweetness of the tuberose, the majestic foliage of the caladium, and the wonderful markings of the tigridia. Bulbs for spring planting require scarcely any care and quickly make a glorious display, while the bulbs can be kept over winter and year after year will return a hundred fold in beauty and satisfaction the trifling expense of the original cost. For lilies and other hardy bulbs see pages 88 to 91. Our bulbs are large and strong and will be sent well packed, postpaid, on receipt of price, except where noted. **Discounts.**—Your selection of bulbs to the amount of \$120 at catalogue prices will be sent postpaid for \$1.00, \$2.50 for \$2.00.

AMARYLLIS.—*Johnsonii*—Of strong, vigorous growth, bearing from three to six brilliant red flowers on each stem. The petals are striped with white; very attractive. Fragrant. Each 50c.

Formosissima.—(*Jacobeum Lily*)—Of extremely rich, deep velvety, crimson color. It is a free bloomer and succeeds well either in pots or in the open ground. Each 15c, 3 for 40c; 1 doz. for \$1.25.

CALLAS.—*Mammoth White*.—Largest flowering variety and most majestic. It is of perfect flowering form, with large tropical appearing leaves of bright green color, and yielding throughout the season a profusion of white flowers. Large bulbs each 25c, 3 for 60c; medium size each 15c, 3 for 40c.

Elliottiana.—This fine variety is identical with the Mammoth White in every respect, except the color, which is of bright golden yellow, so that the great value of this grand novelty can be readily appreciated. Each 5c.

Aurata.—A beautiful new variety with light lemon yellow flowers. Each 30c.

Little Gem.—A perfect miniature Calla, growing eight to twelve inches high, producing beautiful snow white blossoms. Begins to bloom when only a few inches high, blooms summer or winter. Growing plants each 15c, 3 for 40c.

Spotted Leaf.—An ornamental plant even when not in flower, the dark green leaves being beautifully spotted with white fine for planting in the garden in summer. Each 10c, doz. \$1.00.



LITTLE GEM CALLA.

GLORIOUS CANNAS.

Such a great improvement has been made in Cannas during the past few years that they may well be called "glorious." They are now generally considered the most showy and effective bedding plants. They have tropical appearing foliage and showy flowers, some of which are truly orchid like.

King Humbert.—One of the grandest new cannae ever offered. It is flower as large as the largest of the orchid flowering cannae. Bright orange scarlet streaked with crimson. Foliage is bronze with brownish green stripes, large, thick and leathery. Strong grower; height 4 feet. Ea. 30c doz. \$3.00.

Black Beauty.—Undoubtedly has the darkest and most magnificent foliage of all purple-leaved cannae ever introduced. The leaves are black shining purple. Flowers are glowing crimson but quite small. A fine plant for center of beds, vases, etc. Height 5 feet. Ea. 20c, doz. \$2.00.

Mont Blanc.—The nearest pure white of any canna ever offered. The flowers are large and showy. It produces few buds, however, and price will therefore always be high. Height 3 feet. Each 30c doz. \$3.00.

Burbank.—The well known Orchid Flowering Canna. The flowers are truly gigantic in size, the upper petals spreading fully 7 inches. Flower is rich canary yellow; crimson spots near center. Height 5 ft. Ea. 15c; doz. \$1.20.

America.—Height 4 feet. One of the handsomest of the bronzed leaved varieties. Leaves show some tinting of green applied in such a way that they appear as if striped. Flowers of extra large size, dark yellow, veined with red. Each 15c; doz. \$1.50.

Pennsylvania.—One of the best orchid flowered sorts. Foliage green, flowers very large, bright scarlet, shaded orange, height 6 feet. Each 15c; doz. \$1.50.

Allemania.—Foliage pea green and very wide; flowers bright orange scarlet with lemon edge. Height 4 feet. Each 15c; doz. \$1.25.

Gloriosa.—One of the grandest and most beautiful varieties ever brought out; height 2 to 2 1/2 feet, with bright green foliage. It bears long spikes of bloom and the individual flowers are immense. Color is rich crimson scarlet with a distinct golden band around each petal blending so as to make a perfect "symphony of crimson and gold." A perpetual bloomer. Each 25c; doz. \$2.50.

Alphonse Bouvier.—Height 4 1/2 feet. Leaves broad, dark green and of



QUEEN CHARLOTTE,
FLORENCE VAUGHAN,
MAD. CROZY CANNAS.

tropical appearance. Large heads of scarlet flowers. Each 10c; doz. \$1.00.

Aisace.—Color is a creamy white, without any spotting, and when grown with the dark yellow and red varieties appears like clear white. Each 15c; doz. \$1.30.

Pink Queen.—Has dark green leaves which are broad and of thick leathery substance; color being the brightest pink imaginable, shading to old rose. Height 3 feet. Each 15c; doz. \$1.50.

Florence Vaughan.—Height 5 feet. Dark green foliage; yellow flowers, spotted with bright red. Fine for bedding. Each 10c; doz. \$1.00.

Madam Crozy.—Height 3 1/2 feet. Green foliage; flowers vermillion red, gold bordered; a succession of flower trusses. Each 10c; doz. \$1.00.

Queen Charlotte.—Height 4 feet. A choice variety with green foliage; flowers rich orange scarlet with gold. Each 15c; doz. \$1.20.

Duke of Marlboro.—Height 4 feet. Deep crimson maroon, darkest of all. Each 10c; doz. \$1.00.

A Crozy.—Height 4 feet. Green foliage. Crimson scarlet, with broad gold border. Each 15c; doz. \$1.50.

Chicago.—Height 4 feet. Clear vermillion scarlet; flowers and heads very large. Each 15c; doz. \$1.25.

Crimson Bedder.—One of the most showy flowered. Bright crimson scarlet. Each 15c; doz. \$1.25.

Flamingo.—A new variety, with dark crimson flowers penciled with gold. Each 20c; doz. \$2.00.

Buttercup.—Beautiful clear yellow flower; large spikes. Ea. 15c; doz. \$1.50.

David Harum.—A strong grower and free bloomer. Large bright vermillion flowers dotted with crimson; bronze foliage. Height 4 feet. Each 20c; doz. \$1.75.

Charles Henderson.—Height 4 feet. Green foliage; one of the finest bedding varieties in existence as it is of compact and vigorous growth and free bloomer. Color a deep rich crimson. Each 10c; doz. \$1.00.

Robusta.—Effective large dark leaved variety. Leaves 12 to 18 in. wide. Height 8 feet. Each 10c; doz. \$1.00.

Mrs. Kate Gray.—Immense orange scarlet flowers flaked yellow. Height 6 ft. Each 20c; doz. \$2.00.

Fair Persian.—Height 4 feet. Leaves are green and rather narrow. Produces numerous flower heads early in the season. Flowers clear pink shading to salmon pink and lightly marked with crimson. Each 15c; doz. \$1.20.

President Faivre.—Height 6 ft. Ea. 10c; doz. \$1.00.

Mixed Bedding Cannas.—A nice mixture of the desirable sorts. Each 8c, doz. 75c.



GLORIOSA CANNA.

Collection of Cannas.—19 choice Cannas of three varieties for making a circular bed seven feet across for \$1.75.

DAHLIAS.



DAHLIAS.—(Refer to numbers in description.)

DR. MASTERS.—A most beautiful decorative dahlia of delicate color, which we recommend very highly for late blooming. Ea. 20c. 3 for 50c.
ORANGE QUEEN.—One of the most striking decorative dahlias in our collection. Color is a peculiar shade of orange vermillion. Plant is a large, vigorous grower and blooms early and constantly. Ea. 25c. 3 for 60c.
CRIMSON CACTUS.—Desirable dark crimson variety; should be in every collection. Each 15c. 3 for 40c.

CHOICE GLADIOLUS.

These are a specialty with us and our fields devoted to them make a most magnificent sight each year, appearing at a distance a mass of bright colors. It is the most desirable of all bulbs and claimed by many, who are well acquainted with their varied beauty, to be the flower of flowers.

Independence.—Illustrated on colored plate. See page 75. Each 15c. doz. \$1.50.

Contrast.—Among the many hundreds of varieties of Gladiolus growing on our place last season this was the most showy of all. It is a beautiful bright scarlet with clear white throat. Spike long and well filled with flowers of perfect form. Each 25c. dozen \$2.50.

Snow White.—A most handsome variety of pure snowy white. Each 15c. dozen \$1.50.

Perfect.—A seedling of the Royal Queen, very much like its parents, but flower is more perfect, has longer spikes, brighter and clear color. Frequently two feet of the spikes are covered with flowers at one time, there being from 12 to 18 wide open flowers. The ground color is very nearly pure white, beautifully flaked and striped with bright rich crimson. Ea. 20c. doz. \$2.00.

Canary Bird.—Without doubt the best yellow variety. Very pleasing and attractive. Each 15c. \$1.50 dozen.

May.—Most popular with florists. Pure white finely flaked with crimson. Each 10c. dozen \$1.00.

America.—A splendid new variety which we are offering for the first time. Color is a beautiful soft pink; flowers very large. Each 15c. 3 for 40c.

Princess.—A new giant flowered variety, having brilliant scarlet and white flowers of very striking appearance. Each 20c. 3 for 50c.

Royal Queen.—One of the finest and largest flowering varieties. The flower spike is very long and well filled out on all sides. The flowers are of a clear, pearl white ground striped and splashed with a rich carmine, shading to a rosy purple, most beautifully blotched and marbled, and of a delicate velvety texture. Each 15c. 3 for 40c.

American Banner, or Tri-Color.—The ground color is white, striped with bright red, and spotted with violet blue on lower petals. A curious combination of colors which has given it its name. Each 20c. 3 for 50c.

African.—Darkest crimson-black, with a pure white blotch in the throat. Ea. 10c. doz. 90c.

Brenchleyensis.—Deep vermillion scarlet. Each 14c. dozen 40c.

Isaac Buchanan.—Best of yellow varieties. Each 5c. doz. 50c.

Marie Lemoine.—Pale cream color, flushed salmon, spotted purplish violet. Each 10c. doz. 90c.

Ceres.—Beautiful bluish white, marbled and striped with rosy carmine. Each 5c. doz. 50c.

Meyerbeer.—Rose scarlet with red blotch. Each 10c. doz. \$1.00.

Norma.—The flower is nearly pure white. Very beautiful. Each 7c. doz. 65c.

Salmon Pink.—Pure salmon pink color. Each 5c. doz. 50c.

L. Kelway.—Beautiful dark velvety red. Each 8c. doz. 75c.

Nanceanus.—A distinct variety of gladiolus with full, open, large flowers of various shades of red and purple. Each 10c. doz. \$1.00.

Groff's Hybrids Mixed.—The floral papers have been full of the praise of this new class of gladiolus. Our mixture contains all the best varieties. Each 10c. doz. 85c.

Lemoine Mixed.—Often called Butterfly Gladiolus. These have odd and fantastic markings and resemble the orchids. Each 6c. doz. 60c.

Pink, Striped and Variegated Varieties Mixed.—Each 5c. doz. 40c. Second size, doz. 25c.

Red Varieties Mixed.—Each 5c. doz. 40c. Second size, doz. 25c.

White and Light Varieties Mixed.—Each 5c. doz. 50c. Second size, doz. 30c.

Yellow Varieties Mixed.—Each 5c. doz. 50c. Second size, doz. 40c.

Altoona Mixture.—The best mixture in existence, made up mainly from the above named varieties and other very choice sorts which we do not catalogue. Large bulbs, each 8c; doz. 75c. 100 for \$5.00.

Fine Mixed.—New assortment. Each 4c. doz. 35c. 100 for \$2.00. Second size, doz. 20c. 100 for \$1.25.

EXTRA CHOICE MIXED GLADIOLUS SEED, BLOOMS SECOND YEAR, EIGHT CENTS PER PACKET.

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until stopped by frost. Especially fine for cut flowers. They have been greatly improved and we now grow acres of them to supply the demand. Out of the many hundred varieties we have selected the following as of special value. See also varieties described on page 75. For best results start roots early in house. Late in the season, when dry roots become exhausted, we then fill orders with strong rooted pot plants.

CLIFFORD W. BRUTON.—(See cut No. 1.)—A new show Dahlia of greatest merit. Extra large flowers of a bright, golden yellow, perfect in shape and form; very early. Each 20c. 3 for 50c.

NYMPHEA.—(See cut No. 2.)—Color a distinct, clear, light pink, shading darker toward the outer petals. Inner petals nearly white. Exquisite finish; soft, waxy, delicate and graceful; quite fragrant. Each 15c. 3 for 40c.

BLACK PRINCE.—(See cut No. 3.)—A beautiful variety of very dark crimson color, shaded black. Each 15c. 3 for 40c.

RED HUSSAR.—(See cut No. 4.)—A grand new show variety of large size. Color purest cardinal red without traits of either purple or crimson. Plant is a vigorous grower, produces fine flowers on long stems. Each 20c. 3 for 50c.

KING OF FANCIES.—(See cut No. 5.)—A fancy flowered sort, of striking beauty. Color is almost indescribable, being most elegantly marked, striped and blotched with crimson, scarlet, pink, etc., on a pure white ground; variable. Each 20c. 3 for 50c.

MAZIE.—A magnificent new semi-double and the largest of all, being 7 or 8 inches across. Color rich velvety crimson maroon, tipped, lighter. Each 25c. 3 for 50c.

FLORADORA.—A very showy cactus Dahlia of large size, intense dark crimson; an early and profuse bloomer. Each 20c. 3 for 50c.

MRS. WINTERS.—A very large pure white of exquisite beauty, and the finest of all for cutting. Each 25c. 3 for 60c.

ARABELLA.—A decidedly handsome fancy flowered variety. Primrose yellow, shaded and tipped with carmine and old gold. Each 25c. 3 for 60c.

20th CENTURY.—One of the beautiful orchid flowered single varieties, of immense size, blooms ranging from 4½ to 7 inches in diameter. The color is of intense rosy crimson, with a white tipping and a white disk around the center. Each 25c. 3 for 60c.

ELFIN.—A dainty little pompon flowered variety of pale primrose color changing to creamy white. Very free flowering and a little beauty. Each 20c. 3 for 50c.

WM. PIERCE.—Deep, rich yellow, free flowering. Each 15c. 3 for 40c.

ETHEL VICK.—Early blooming, shell pink variety. Very handsome. Each 15c. 3 for 40c.

SNOWBALL.—Large double, pure white. Each 20c. 3 for 50c.

FERN LEAF BEAUTY.—This grand novelty has fern-like foliage and flowers of creamy white, with a distinct marking of bright crimson on each petal. Each 20c. 3 for 50c.

QUEEN VICTORIA.—This has long been considered the finest deep yellow variety which we have. Plant a robust grower and so covered with flowers as to appear almost like a solid mass of golden yellow color. Blooms early, very freely and continuously. Each 15c. 3 for 40c.

FANCY DOUBLE MIXED.—The handsome tipped, striped, spotted and variegated sorts in a splendid mixture. Each 25c. dozen \$2.25.

SINGLE DAHLIAS.—Many people prefer these to the double varieties because of their grace, freedom of bloom, adaptability for bouquets, decorations, etc. Mixed colors; each 15c. 3 for 40c.

DOUBLE MIXED VARIETIES.—Contains a good proportion of best scarlet, yellow and white varieties, besides many other shades which are popular. Each 10c. dozen \$1.00.



PERFECTION, SNOW WHITE AND CONTRAST GLADIOLUS.



CALADIUM ESCULENTUM.

TUBEROSES.—**New Excelsior Pearl.**—The tuberose is justly a universal favorite and very easily grown. The **New Excelsior Pearl** Tuberoses have been selected with great care and are superior to the ordinary Pearl tuberoses. This variety is characterized by its short, robust stem and long spikes of large flowers, which are perfectly double and twice the size of the common tuberose, while of equally delicious fragrance. Spikes frequently bear 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like, pure white, and unsurpassed for button-hole bouquets. You will be greatly pleased with them. Choicest large bulbs each 5c, dozen 40c; 100 for \$2.65, postpaid.

"I got a dozen *Tuberoses* of you last spring. They all bloomed and were beautiful. Also pleased with seeds and bulbs received,"—Mrs. W. H. Forman, McFall, Mo.

Variegated Leaved.—Leaves are bordered with creamy white; flowers single but very large and of exquisite fragrance. Bulbs continue to grow and bloom year after year. Each 5c dozen 45c.



HYACINTHUS CANDICANS.



HARDY BULBS.

For complete list of Lilies, Lily of Valley, Peonies, Iris, etc., see pages 88 to 91.

CALADIUM.—**Esculentum.**—(*Elephant's Ear.*)—A splendid tropical plant, growing 4 to 5 feet, with immense leaves, beautifully veined and variegated with different shades of green. Very showy leaves, often growing three feet long. Of easy culture. Medium sized bulbs 10c, 3 for 25c; large bulbs 20c, 3 for 50c; mammoth 35c, 3 for \$1.00.

Fancy-Leaved.—These have in recent years grown very rapidly in popular favor, not only for the decoration of the conservatory, greenhouse and window boxes, but nearly all of the varieties succeed admirably if planted out of doors, when the ground has become warm, in partly shaded, sheltered borders. Leaves variegated red, yellow, white, brown, green, etc. Many choice varieties mixed, each 20c, dozen \$2.00.

Giant-Flowering.—A mammoth variety, growing 7 to 10 feet high and having leaves sometimes 4 to 5 feet long and 2 feet wide, of a glossy bright green color, shining as if varnished. The flowers are of large size, pure white, and resemble a Calla Lily. Each 25c.

MONTBRETIA.—**Crocusmiflora.**—A showy summer-flowering plant producing many handsome star-shaped blossoms of an orange red color. Hardy, and improve year after year if left in the ground undisturbed. Each 5c; dozen 40c.

HYACINTHUS CANDICANS.—Has a stem 3 or 4 feet high, which bears quantities of drooping, ivory white bell-shaped flowers of delicate fragrance. Appear like Giant Showdrops. Each 5c, dozen 50c.



GIANT FLOWERING CALADIUM.



EXCELSIOR PEARL TUBEROSE.

MADERIA VINE.—Also called Mignonette Vine and Mexican Mignon. A beautiful tuberous rooted climber, with glossy green leaves and handsome racemes of fragrant white flowers. The vine makes a very rapid growth and a few plants will cover a trellis or cottage wall in a single season. It is a very pretty thing to use for shading a porch or veranda. Each 5c, dozen 45c.

SUMMER FLOWERING OXALIS.—No bulb is so valuable for edging the borders of walks or flower beds as the beautiful flowering Oxalis. When planted three inches apart they produce an unbroken row of elegant foliage and pretty flowers; and as they bloom very quickly after planting they furnish a neat and attractive border the whole season.

Shamrock.—Leaves resemble four-leaved clover; flowers rose color and borne in profusion on vine-like stems, which make them suitable for cutting for bouquets as well as pretty for border. Doz. 10c, 100 for 50c; mammoth bulbs, per doz. 15c.

Diepia Alba.—Pretty low-growing variety, with light green leaves and clusters of pure white bell-shaped flowers; blooms profusely. Doz. 10c, 100 for 40c.

Lasandria.—Large, dark green, palmate or five fingered leaves, with clusters of rosy pink flowers. This is taller than the above. It would be difficult to find a more satisfactory bulb for bordering flower beds. Dozen 10c, 100 for 50c; mammoth bulbs, per dozen, 15c.

ZEPHYRANTHES. Popularly known as "Zephyr Flowers," and "Fairy Flowers." They are among our most beautiful dwarf bulbous plants, very effective for planting out in masses in the spring, flowering with great profusion during the summer. Very suitable for pot culture; 4 to 6 bulbs clustered in a 6-inch pot will give a fine display. Pink and white. Try a few of them this year and you will be pleased. Each 5c, dozen 50c.

AMORPHOPHALLUS.—Is a showy plant, with palm-like leaves, spreading in the shape of an umbrella; the green stem is marbled brown and white. The large, deep red flowers are produced before the leaves appear. It is chiefly grown, however, for the luxuriant tropical effect of the foliage. Each 30c.

RESURRECTION PLANT.—A curiosity sure to interest the children. Looks like a ball of dried moss, but when dropped into a bowl of tepid water, it quickly opens out into a beautiful fern-like plant. Each 10c, 3 for 25c.

TIGRIDIAS.—**Peacock or Shell Flower.**—Handsome summer flowering bulbs, producing large, gorgeous flowers. They flower freely throughout the summer and are of various colors, red, white, yellow, etc., handsomely spotted. Each 5c, dozen 50c.



MADERIA VINE.

TRITOMA.—(*Pfitzeri*)—**Flaming Torch or Red Hot Poker Plant.**—At all floral exhibitions, and when sent as cut-flowers to market, this plant attracts great attention. It grows from 3 to 4 feet high and the flower measures 12 to 15 inches long. They are a dazzling scarlet, lower half of flower tinged with rich orange. Each 20c, 3 for 50c.

GLOXINIA.—**Giant Flowered.**—One of the most beautiful and satisfactory flowers. Has large trumpet-shaped blossoms of crimson, rose, scarlet, purple, white, etc., tinted with dots of contrasting color. One bulb planted in a 5-inch pot will make a magnificent show, and if bulbs are planted at intervals will give a continuous bloom for a long period. Each 15c; dozen \$1.50.



ZEPHYRANTHES.

FLOWER SEEDS.

Our floral beauties come in for their full share of attention, and aside from our seed farm we have twelve acres of land right in the city, convenient to the street cars, devoted exclusively to flowers. Here we grow thousands of varieties and have in our employ experienced specialists in this line, who, under our supervision, attend to growing whatever can be grown to advantage in this country test all novelties offered in this country or Europe, and are constantly trying by selection and hybridization to improve the leading varieties, and make our choice Iowa Flower seeds just what we are striving for—the best in the world. **We invite all our customers to call and see this Floral Exhibition whenever they are in the city.** Even during the winter the large green-houses on these grounds are a revelation of beauty which surprises everyone. We also have a large acreage on our seed farms east of this city devoted to floriculture. Our flower seeds are all fresh and we know they are unsurpassed. Quality is always the first consideration. Our mixtures are mainly made up by ourselves from named varieties, or from growing a large number of the best named varieties together, and will yield a better assortment than is commonly found. This year we classify the climbers, everlasting and grasses separately at the end of the list. You can readily find any variety by referring to the index on page 100. Don't fail to notice also the novelties listed on the colored pages of this book.

DIRECTIONS FOR SOWING, ETC.—To insure success the conditions and requirements of the several species as to soil, moisture, heat, etc., should be studied and then observed in culture. Below we give a few general directions for their culture, though more complete directions will be found printed on the seed packets. The soil best adapted to most flowers is light, rich loam, containing enough sand to make it porous. If there is some clay with it the colors will be brighter. Make the surface as smooth and fine as possible; sow seeds in rows, covering each sort of seed in proportion to its size (a good general rule being to cover twice the diameter of the seed) and press the soil down firmly over it. Do not plant any seeds when the ground is wet. Many varieties, such as pansy, verbena, daisy, hollyhock and the fine greenhouse-plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich, mellow loam well mixed together and sifted to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep too wet, and when large enough to handle, transplant to boxes from 1 to 2 inches apart to remain until put in permanent beds.

DISCOUNTS.—In spite of our very low prices by the packet, we still offer flower seeds, *in packets only*, to the amount of \$1.25 for \$1.00. This discount does not apply to collections of seeds, nor to seeds by weight or measure. All flower seeds are sent free by mail on receipt of price.

ABRONIA.—*Umbellata.*—Trailing habit similar to verbenas, bearing clusters of sweet-scented flowers. Rose color. Pkt. 3c.

ABUTILON.—*Mixed Colors.*—Beautiful bell-shaped flowers of various colors. Pkt. 10c.

AGERATUM.—*Mexicanum*—Desirable for bouquets; produces many blue flowers and blooms a long time; largely used by florists; start seeds early. Pkt. 4c.

Albiflorum.—Like above only white. Pkt. 8c.

AGROSTEMMA.—*Mixed Colors.*—Fine for bouquets or cemetery. Pkt. 5c.

ALYSSUM.—*Sweet.*—Pretty little white flowers, useful for bouquets and borders. Pkt. 3c.

Little Gem.—Very dwarf and compact, making a mass of white flowers. Pkt. 5c.



PEERLESS MIXED BALSAMS.

A MILLION BEDDING PLANTS—HUNDREDS OF VARIETIES AT LOW PRICES. SEE LIST.



ANTIRRHINUM.

AQUILEGIA.—*Chrysanthemum*—Yellow flowers. Pkt. 5c.

Coerulea.—Violets, blue and white. Pkt. 7c. **Double Mixed.**—Pkt. 5c.

BALSAM.—One of the most beautiful of our annuals. The flowers are most brilliantly colored, very large and double, rich colors, ranging from white to dark crimson.

Peerless Mixed.—Made up from the best foreign and American strains. Flowers are double and of all known colors; plants loaded with hundreds of flowers. Pkt. 10c.

Camelia Flowered Mixed.—Very double, unusual size, perfect shape. Our mixture contains all best colors. Pkt. 5c.

All Varieties Mixed.—Mixture of older sorts. Pkt. 4c, oz. 25c.

BALLOON VINE.—A pretty, rapid growing climber, succeeding best in a warm situation. Flowers white. Pkt. 5c.

BEGONIA.—Seeds very small, almost microscopic, and should besown on top of the soil. Cover box with glass; give partial shade until up.

Vernon.—Fine for outdoor bedding. Pkt. 10c.

Rex.—The king of begonias. Pkt. 25c.

Tuberous Rooted.—Fine for summer bedding. Pkt. 15c.

Flowering Varieties Mixed.—Pkt. 10c.

BLUE BELLS.—Beautiful bell-shaped, bright blue flowers Hardy perennial. Pkt. 10c.

BROWALLIA.—*Grandiflora*—This new sort is without doubt the most beautiful of all the Browallias, covered with an abundance of delightfully large, sky-blue flowers. Pkt. 10c

BRACHYCOME.—*Mixed Colors.*—Pretty, low-growing plants, covered in summer with a profusion of cineraria-like blue and white flowers. Half hardy. Pkt. 5c.

CANNA.—*Fancy Large Flowered.*—Unquestionably one of the finest of bedding plants. Their handsome leaves combined with their varied and rich colored flowers have an extremely fine effect. Seed should be soaked in warm water for several hours. Pkt. 5c, oz. 25c.

CALENDULA.—*Fine Mixed.*—Belongs to the well-known marigold family. Pkt. 3c.

CAMPANULA.—An old favorite perennial, bearing an abundance of handsome flowers which almost hide the plant.

Cup and Sancer.—A beautiful variety. The bell is nearly four inches in diameter, presenting the form of a saucer. Mixed colors. Pkt. 10c.

Mixed Varieties.—Choice mixture of all the best double and single varieties, suited for growing together. Pkt. 5c.



I LOVE FLOWERS. DON'T YOU.

AMARANTHUS.—A handsome foliaged plant of many colors.

Tricolor.—Leaves yellow, red and green; well known as "Joseph's Coat." Pkt. 3c.

Saltefolius.—Known as "Fountain Plant." Pkt. 7c.

Caudatus—(*Love Lies Bleeding.*)—Producing long drooping chains of brilliant colored flowers. Pkt. 5c.

Mixed Varieties.—Pkt. 5c.

ANTIRRHINUM.—(*Snapdragon.*)—Giant Flowered—A most beautiful low class having all the finest colors and markings known in the old varieties and several new ones. The flowers are of immense size and produced in long spikes. It is a perpetual bloomer sending up flower spikes by the dozen, one or two feet in length, almost as large and beautiful as gladiolus. Pkt. 10c.

Mixed Varieties.—The older sorts. Pkt. 3c.

ARABIS.—*Alpina.*—Early blooming. Useful for rock work. Flowers pure white. Hardy perennial. Pkt. 10c.

ASPERULA.—*Aurea Setosa.*—Light blue fragrant flowers. Pkt. 5c.

(Columbine.)—A hardy perennial; large, beautiful canary yellow flowers. Pkt. 5c.

AQUILEGIA.—*Chrysanthemum*—Yellow flowers. Pkt. 5c.

Coerulea.—Violets, blue and white. Pkt. 7c. **Double Mixed.**—Pkt. 5c.

BALSAM.—One of the most beautiful of our annuals. The flowers are most brilliantly colored, very large and double, rich colors, ranging from white to dark crimson.

Peerless Mixed.—Made up from the best foreign and American strains. Flowers are double and of all known colors; plants loaded with hundreds of flowers. Pkt. 10c.

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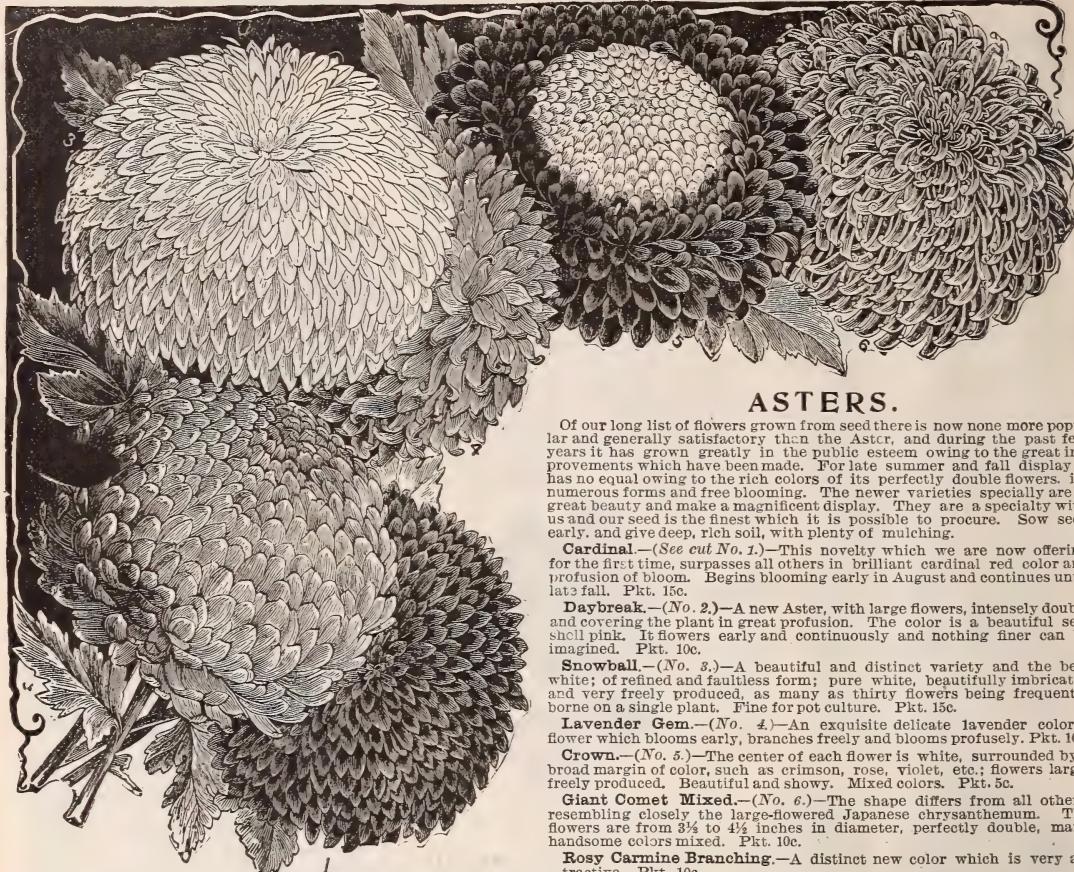
CAMPANULA.—An old favorite perennial, bearing an abundance of handsome flowers which almost hide the plant.

Cup and Sancer.—A beautiful variety. The bell is nearly four inches in diameter, presenting the form of a saucer. Mixed colors. Pkt. 10c.

Mixed Varieties.—Choice mixture of all the best double and single varieties, suited for



AMARANTHUS.



ASTERS.

Of our long list of flowers grown from seed there is now none more popular and generally satisfactory than the Aster, and during the past few years it has grown greatly in the public esteem owing to the great improvements which have been made. For late summer and fall display it has no equal owing to the rich colors of its perfectly double flowers. Its numerous forms and free blooming. The newer varieties specially are of great beauty and make a magnificent display. They are a specialty with us and our seed is the finest which it is possible to procure. Sow seed early, and give deep, rich soil, with plenty of mulching.

Cardinal.—(See cut No. 1.)—This novelty which we are now offering for the first time, surpasses all others in brilliant cardinal red color and profusion of bloom. Begins blooming early in August and continues until late fall. Pkt. 15c.

Daybreak.—(No. 2.)—A new Aster, with large flowers, intensely double and covering the plant in great profusion. The color is a beautiful sea-shell pink. It flowers early and continuously and nothing finer can be imagined. Pkt. 10c.

Snowball.—(No. 3.)—A beautiful and distinct variety and the best white; of refined and faultless form; pure white, beautifully imbricated and very freely produced, as many as thirty flowers being frequently borne on a single plant. Fine for pot culture. Pkt. 15c.

Lavender Gem.—(No. 4.)—An exquisite delicate lavender colored flower which blooms early, branches freely and blooms profusely. Pkt. 10c.

Crown.—(No. 5.)—The center of each flower is white, surrounded by a broad margin of color, such as crimson, rose, violet, etc.; flowers large, freely produced. Beautiful and showy. Mixed colors. Pkt. 5c.

Giant Comet Mixed.—(No. 6.)—The shape differs from all others, resembling closely the large-flowered Japanese chrysanthemum. The flowers are from 3½ to 4½ inches in diameter, perfectly double, many handsome colors mixed. Pkt. 10c.

Rosy Carmine Branching.—A distinct new color which is very attractive. Pkt. 10c.

Purity.—Greatly resembles the Daybreak, except that it is pure snowy white. Considered the best for cut flower work. Pkt. 5c.

Royal Purple.—A variety of the branching asters of large size and rich purple color. Pkt. 10c.

Vick's Branching Mixed.—A choice mixture of these popular favorites. Pkt. 5c.

Golden Ball.—The long sought novelty—a yellow aster. Pkt. 10c.

CANDYTUFT.—Considered indispensable for cutting, and looks best in beds or masses; hardy, easy to cultivate and blooms profusely; one foot in height.

Giant Empress.—One of the finest varieties in cultivation, of very branching habit, and when fully grown and covered with its pure white flowers, resembles a floral candelabra. Pkt. 7c.

Best Mixed.—A mixture of all varieties and colors. Pkt. 3c, oz. 40c.

Semper Virens.—Profuse white blooming perennials adapted for rockeries, baskets, etc. Flowers early. Pkt. 10c.

CARNATION.—The finest of the dianthus or pink family; very fragrant. Our seed is unsurpassed.

Double Extra Mixed.—Best greenhouse varieties. Pkt. 10c.

Marguerite.—These lovely, fragrant flowers are in full bloom in about four months after sowing seed. Plants succeed in open garden or in pots. Flowers of high type, 80 per cent perfectly double. Color, markings, variegations and shadings are wonderful. Pkt. 5c.

CLARKIA.—**Mixed Colors.**—Blooms freely during the summer. Pkt. 3c.

CONVOLVULUS.—**Minor.**—(Dwarf Morning Glory.)—Showy flowers for bedding. Pkt. 5c.



MARGUERITE CARNATION.

CANTERBURY BELLS
—A popular old fashioned perennial. Double and mixed; many colors. Pkt. 6c.

CALLIOPSIS (Or Co-reopsis)—**Golden Wave.**
—Plant bushy and compact, reaching 2 feet in height, and covered from July to October with hundreds of golden blossoms two inches in diameter, with small dark centers. It is indeed a wave of gold. Pkt. 5c.

New Double.—A charming novelty. Blooms freely and will please everyone. Pkt. 10c.

Lanceolata.—(*New Golden Coreopsis.*)—One of the most showy hardy perennials grown, forming tall plants two to three feet high, and bearing in great profusion large flowers of golden yellow. Pkt. 8c.

Mixed Colors.—Produces flowers in nearly every shade of yellow, orange, crimson and brown. Pkt. 3c.

CACALIA—Coccinea.—A handsome, free-flowering little plant; owing to the peculiar form of the flower, it is sometimes called Tassel Flower, or Flora's Paint Brush. Scarlet. Pkt. 5c.

CENTAUREA—Cyanus.—Called the Ragged Sailor, Corn Flower, Blue Bottle, Bachelor's Buttons and Bluet; very old favorite garden annual, flowering freely in almost any situation. Mixed colors. Pkt. 3c.

Cyanus Double.—A most charming sport from the above. Flowers very large and globular. Continuous bloomer. Pkt. 8c.

Marguerite.—This is one of the handsomest novelties ever brought out. The large flowers are of the purest white, deliciously scented, exquisitely laced, freely produced. Pkt. 10c.

Gymnocarpa.—Foliage finely cut and silvery. It is perhaps the best white leaved plant for bedding purposes. Pkt. 5c.

CELOSIA—Ostrich Feather.—A handsome pyramidal plant bearing numerous massive crimson plumes. Pkt. 5c.

Mixed Varieties.—Includes many desirable sorts. Pkt. 5c.

COSMOS—Early Dawn Mixed.—Very early and a free bloomer, many colors. Pkt. 5c.

Mammoth Perfection.—Flowers measure from 12 to 15 inches in circumference; white, pink or crimson. Seed should be sown early in the house as they are quite late. Pkt. 7c.



NEW DOUBLE FIREBALL DIANTHUS.

DIANTHUS.—The Dianthus, or Chinese Pink, has long been a great garden favorite. It is, in fact, one of our most useful plants, furnishing an abundance of gay, pretty flowers. Plants from seed grow and bloom very quickly.

Fireball.—A beautiful, very dwarf and compact growing pink, only 10 to 15 inches high. Flowers are perfectly double and color a rich, velvety blood red. The plants begin to flower shortly after they are up, and bloom profusely all summer and fall. Pkt. 10c.

Snowball.—A fit companion to the above. Flowers large, pure white, double, finely fringed and of perfect form. Pkt. 8c.

Crown.—The flowers average 6 inches in circumference, are densely double and produced in succession during the whole summer. Colors from purest satiny white to red shades so deep and brilliant that the eye can scarcely penetrate their depths. Pkt. 7c.

Mourning Cloak.—Very dark mahogany color, almost black, each petal edged with a margin of pure white. Pkt. 5c.

Single Hedgewigi.—Finest selected single mixed. One of the most showy of the pink family. Pkt. 5c.

Double Diadem Pink.—Super double flower. Hieroglyphically marked, like the original Chinese pinks, in the middle down to base of each petal; magnificent in color and variety. Pkt. 7c.

Chinenensis.—(*Double Chinese Pink.*)—Finest double mixed. Pkt. 3c.

Mixed Varieties and Colors.—Pkt. 5c.



CALLIOPSIS, GOLDEN WAVE.

CHRYSANTHEMUMS—The annual Chrysanthemums listed below are altogether different from the large-flowered perennial varieties grown by florists.

Chameleon.—New and distinct annual variety producing large single flowers, beautifully encircled with purple, black, crimson, yellow and copper. Pkt. 8c.

Double Annual.—A valuable and most unique novelty. A great variety of colors, markings and pencilings. Very double, semi-double or single, but these are almost equally as charming. Pkt. 5c.

Perennial Mixed.—The popular green-house variety. Very showy and desirable for fall and early winter blooming. Sow seeds early. Pkt. 10c.

ESCHSCHOLTZIA.—(*California Poppy.*)

Single Mixed.—Shows summer flowering plants; large saucer-shaped flowers of striking brilliancy. Mixed colors. Pkt. 5c.

Golden West.—A giant flower from $\frac{3}{4}$ to 6 inches across, of a rich golden yellow color. Pkt. 8c.

Double Mixed.—Pretty. Pkt. 5c.

CINERARIA—Large Flowering Mixed.—Very showy plants for pot culture. Pkt. 15c.

CURIOS CACTI.—The seed we furnish is collected from the choicest varieties. Easily grown from seed planted in a box of sand. Pkt. 10c.

DATURA—Cornucopia.—A showy, tropical appearing plant. Flowers 8 inches long by 5 inches across the mouth; fragrant. Pkt. 10c.

Double Mixed.—Pkt. 5c.

DAISIES, Giant Snowball.—Unusually large double flowers. Pure white. Pkt. 10c.

Best Double Mixed.—Pkt. 5c.

FUCHSIA—Mixed Co'ors.—Fine plants can be easily raised from the seed, which will bloom freely during the summer in a cool, moist situation in the open air. On the approach of frost they can be taken up and planted in pots. A packet contains about 15 seeds. Finest double and single mixed. Pkt. 10c.

DELPHINIUM.—(Perennial Larkspur.)

Mixed Colors.—One of our most showy plants, producing splendid spikes of flowers in profusion throughout the summer. If sown early they bloom the first year. Pkt. 5c.

DAHLIAS—Single Flowering Mixed.—Showy single flowers of many colors. Pkt. 7c.

Double Mixed.—Our seed is of the finest strain, and produces magnificent, very double flowers of the richest shades. If the seed is sown early in the spring they will bloom the first year. Pkt. 8c.

EUPHORBIA—Variegata.—Strong, tall-growing annuals; the flowers are inconspicuous, the foliage, however, is ornamental, veined and margined with white. Pkt. 5c.

Heterophylla.—Of branching, bush-like form, with smooth, glossy green leaves which, about mid-summer, become a beautiful orange scarlet, presenting a striking and brilliant appearance. Pkt. 10c.

FERNS.—Can be grown from the spores or seed by sowing in a very moist place under glass. Pkt. 15c.

FREESIA—Refracta Alba.—Bears peculiar clusters of white flowers of the most delicate fragrance. Start seeds early, fully dry off in summer. Start them growing in the house in October and you will be pleased with them. Pkt. 10c.

FOX GLOVE—(Digitalis).—Showy for backgrounds and borders and are very beautiful; mixed colors; perennial. Pkt. 3c.

FEVERFEEW.—Free-flowering plants, succeeding in any garden soil; a fine bedding plant or for pot culture. Double white flowers. Pkt. 5c.

GERANIUM.—These favorite plants are easily raised from seed, and frequently reward the cultivator with charming new varieties. Plants from seeds started early in the house, bloom the first summer in the garden. Packets contain about 40 seeds.

Choice Mixed.—Seeds saved from nice varieties mixed. Try it. Pkt. 5c.

Good Ventu e.—A greatly improved strain of geranium seed grown by a specialist, which we are sure will delight anyone. Pkt. 15c.

GILIA.—Clusters of small delicate flowers, white, blue, lilac, rose. Pkt. 5c.

LADIOLUS.—Easily grown from seed, blooming second year. Pkt. 8c.

GAILARDIA.—Perfection—Improved sort, producing very double flowers, round as a perfect ball in most varied and pleasing colors. Pkt. 5c.

Grandiflora.—Splendid new perennial varieties, with very large flowers dark crimson centers, marked with rings of many brilliant colors. Pkt. 10c.

GLOXINIAS.—A charming dwarf greenhouse plant. Exquisite and gorgeous colored flowers in profusion. Start under glass. Mixed. Pkt. 25c.

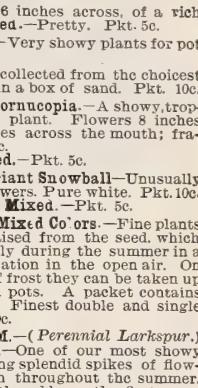
GYPSOPHILA.—Delicately pearly little flowers sometimes called "Baby's Breath," or "Angel's Breath." Graceful and easily grown. Pkt. 5c.

GOLDEN ROD.—There is no denying the beauty of this the state flower of New York. Easily grown from seed. Pkt. 5c.

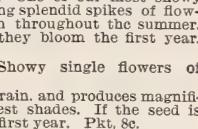
GODETIA—Mixed Varieties.—Handsome and showy annuals about one foot high, compact growth, large flowers of exquisite colors. Pkt. 5c.



CHRYSANTHEMUMS.



DELPHINIUM.—(Perennial Larkspur.)



FUCHSIA.



GERANIUM.



**NEW
MAMMOTH
FLOWERING
HELIOTROPE**

Chater's Prize Double Mixed.—A magnificent double flower 3 or 4 in. across, and all of the brightest colors. A mixture of 17 variety varieties, including all colors and shades known. Pkt. 10c.

Fine Mixed.—Contains a good variety. Pkt. 5c.

Aleghany Mammoth Fringed.—An entirely new and distinct variety which has attracted great attention. Flowers single, semi-double and double, of rich colors and fine form. Pkt. 10c.

ICE PLANT.—A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with icy crystals. The flower is white and pink. Pkt. 5c.

LEMON VERBENA.—Everybody knows the Lemon Verbena and all should have a few specimens of it, for its fragrant foliage is so fine to use in bouquets and floral work. Pkt. 10c.

MARIGOLD.—*African*.—These fine old favorites have been greatly improved recently in size and doubleness. Pkt. 10c.

Dwarf French Double.—Pkt. 3c.

Eldorado.—Immense flowers 9 to 14 in. around; double; primrose, lemon, orange and golden shades. Three feet high. Pkt. 5c.

MIGNONETTE.—*Sweet Scented*.—The delicious fragrance of the Mignonette makes it indispensable for bouquets and cutting. It is best to sow seed early in the garden and they will commence blooming the first of June. Pkt. 2c; oz. 15c.

Allen's Defiance.—A remarkable and valuable variety with mammoth spikes 12 to 15 inches long, and more fragrant than any other variety. Florets are of immense size and the cut flower frequently keep for three weeks, retaining its grace, beauty and fragrance. Pkt. 8c.

Machet.—Distinct sort of great merit. It is dwarf and of vigorous growth, and throws up numerous stout flower stalks terminated by massive spikes of deliciously scented red flowers. Pkt. 5c.

MIMULUS.—*Tigrinus*.—(*Monkey Flower*).—Very showy and free flowering. The hardy kinds are well suited for outdoor culture. Pkt. 10c.

Moschatus.—The well-known musk plant, quite pretty, and has a strong musk fragrance. A nice plant also for pot culture. Pkt. 8c.

MYOSOTIS, or Forget-Me-Not.—*Palustris*.—The true Forget-Me-Not. A perennial. Blooms the first year from the seed. Pretty plants with neat little blue flowers. Pkt. 7c.

Victoria.—A novelty and the best variety for pot culture. Dwarf, globular habit; beautiful sky-blue flowers with center double. Pkt. 7c.

LARKSPUR.—*Dwarf German Rocket*.—An old and well known hardy annual. The flowers are borne in compact spikes, showy and desirable for any situation. Mixed colors. Pkt. 5c.

Tall German Rocket.—Mixed colors. Pkt. 3c.

American Banner.—Plants 2 ft. high, and loaded with long spikes of double striped and blotched flowers. Pkt. 10c.

Perennial Mixed.—*Delphinium*. Pkt. 5c.

LINUM—Grandiflorum Rubrum.—(*Or Scarlet Flax*).—One of the most showy annuals for flower beds and masses; brilliant crimson scarlet flowers, one inch across, in wonderful profusion. Pkt. 5c.

Perennial.—A beautiful hardy perennial sending up numerous stems, which are clothed with a small, almost hair-like foliage. At the tips of the branches are poised large blossoms of blue, white and yellow flowers. Pkt. 5c.

NICOTIANA.—*Affinis*.—Of all varieties of tobacco which are grown for their sweet scented flowers this is the best. The plant is literally covered with large, white star-shaped flowers, which after being cut will remain perfect for a week. Will perfume the whole yard or garden. Pkt. 5c.

NICOTIANA.

FLOWERS GROWING ON THE LAWN ARE ALWAYS PRETTY. LAWN FLOWER SEEDS MIXED 25c PER OUNCE

HELIOTROPE.—*Mammoth*.—One of the handsomest and most fragrant of all flowers. This wonderful new strain produces immense heads or panicles of bloom in a very short time from seed and flowers abundantly in the garden all summer or will bloom the year around in pots, while the colors range from indigo-black through all shades of blue to almost pure white, and some with red tints. Pkt. (about 100 seeds) 10c.

Mixed Varieties.—A great favorite with all lovers of flowers for their beauty and fragrance. Pkt. 5c.

HIBISCUS.—*Crimson Eye*.—Flowers of immense size, often measuring 20 inches in circumference, pure white, with a large spot of deep velvety crimson in the center. Blooms first year from seed in the open ground. Pkt. 8c.

Golden Bowl.—Produces enormous flowers 5 to 6 in. across, of canary color with large black center. Pkt. 5c.

HOLLYHOCK—An old favorite, Start seed early in the house and they will bloom the first year.



IMPERIAL MIXED NASTURTIUMS.

NASTURTIUM.—These may be classed among the most beautiful and showy annuals. They are of very easy culture, and make a continuous show of bloom. The following are the best dwarf varieties:

Aurora.—A magnificent variety of new color. The plant forms a perfect globe and is literally covered with flowers, completely hiding the foliage when in bloom. The flower is of deep chrome yellow, the lower petals blotched with purplish carmine and beautifully marked with bright carmine veining. Pkt. 5c, oz. 10c.

Beauty.—An extra fine dwarf variety, having handsome scarlet flowers splashed with canary yellow. Pkt. 5c, oz. 10c.

Dwarf Chameleon.—The flowers of this new Tom Thumb Nasturtium are in color crimson, gold and bronze, bordered and flamed, changing in hue almost daily, hence its name "Chameleon." No variety could be more satisfactory. Pkt. 5c, oz. 15c.

Golden Queen.—Foliation is of clear, bright yellow color. The plant is of dwarf, compact habit; flowers yellow. Pkt. 5c, oz. 15c.

Empress of India.—Of dwarf, bushy habit, the leaves of a dark purplish blue color, making a suitable background for the brilliant scarlet-crimson flowers. Its profusion of bloom and richness of color are remarkable. Pkt. 5c, oz. 15c.

Ladybird.—Of dwarf, neat, compact habit of growth. Flowers rich golden yellow, each petal barred with ruby crimson. Pkt. 5c, oz. 10c.

King Theodore.—The darkest color in dwarf nasturtiums, deep scarlet maroon. Pkt. 5c, oz. 15c.

Pearl.—Charming dwarf white variety. Pkt. 5c, oz. 10c.

Dwarf Lilliput.—A most charming and distinct new strain of very dwarf compact growth that originated from the tall *Tropaeolum Lobatum*. Plants are of smaller size than the well-known Tom Thumb Nasturtium, growing in closely compact form, while the flowers and rounded light green leaves are also smaller in size. The perfect flowers are so numerous that they come through the foliage in clusters, embracing many new and beautiful colorings. Pkt. 5c, oz. 20c.

Imperial Mixed.—Includes about twenty of the dwarf varieties, selected from both American and foreign growers. The varieties are so selected that the colors harmonize beautifully and delight flower lovers, as they are of neat, compact habit of growth, and bloom freely when planted in beds, producing a mass of colors. Pkt. 5c, oz. 15c, 1/2 lb. 50c.

Dwarf Varieties Mixed.—A nice mixture of colors of this free blooming class. Each plant forms a small compact bush laden with bloom. Owing to the immense quantity we grow of this we are enabled to make a low price. Pkt. 3c, oz. 10c, 1/4 lb. 20c, 1/2 lb. 65c.

PORTRULACA.—*Grandiflora Single Mixed*.—This old favorite is the brightest in the hot dry weather, when other flowers are drooping. They are of almost every conceivable shade of color. Large flowered. Pkt. 2c.

Double Mixed.—Very handsome, double as a rose, contains colors and shades unknown in the single. Our seed is extra choice and will produce sixty to seventy-five per cent of flowers as double as the most perfect rose. Pkt. 10c.

LOBELIA.—Handsome trailing plants; profuse bloomers; elegant for baskets, vases and borders. All sorts mixed. Pkt. 5c.

LANTANA.—*Mixed Colors*.—Greenhouse perennial; makes a fine bedding or pot plant; easily grown from seed. Pkt. 7c.

LUPINUS.—*Mixed Varieties*.—Strong growing garden annuals, with innumerable spikes of flowers of various colors. Pkt. 5c.



DOUBLE PORTULACA.

PANSIES.

Pansies are a specialty with us, and we use the greatest care in growing and importing the best strains of these universal favorites. Circular giving full directions for growing pansies will be sent free if requested. Packets contain 100 to 250 seeds.

NEW RAINBOW.—The best novelty in pansies and the most charming variety ever sent out. We have given it the name New Rainbow, and consider it very appropriate owing to its beautiful iridescent colors. Packet of 150 seeds 25c.

AMERICAN GIANT.—See description with Novelties. Pkt. 15c.

IMPROVED MADAM PERRITT, or Wine Shades.—When traveling in England, we found this charming variety growing on the grounds of a leading specialist, who had been selecting and hybridizing the finest large flowering sorts, having the richest, most velvety wine shade in some part of the flower, but there were fully 75 distinct varieties in the collection. Said to be the most fragrant of all pansies. Pkt. 20c.

GIANT TRIMARDEAU.—Flowers of very large size, some have measured four inches in diameter. Each flower is marked with three large blotches or spots and stands well above the foliage. Choice mixed colors. Pkt. 10c.

MASTERPIECE.—This superb new pansy is distinct from all others in the form of flowers, the border of every petal being conspicuously undulated and curled, giving the flowers the appearance of a double pansy. The flowers are extremely large. Pkt. 20c.

FANCY STRIPED.—A beautiful variety from Belgium, with good sized flowers which are striped and mottled in various tints on contrasting ground colors. Pkt. 10c.

FIRE KING.—Very distinct and striking. Upper petals are of bright red, of really a fiery shade, warranting the name of Fire King. Pkt. 10c.

MAHOGANY.—A beautiful, rich mottled mahogany color. Pkt. 5c.

SNOW QUEEN.—Flowers of a delicate, pure satiny white, handsome and attractive. Makes fine showing in beds or for cut flower work, and beautiful for cemetery use. Pkt. 5c.

QUADRICOLOR, or Pheasant's Eye.—Upper petals sky blue edged with violet; lower petals spotted and marbled. Pkt. 5c.

ENGLISH FACE.—A popular variety in England. Most of the flowers are distinctly marked with a "face." Mixed colors. Pkt. 10c.

GOLDEN YELLOW.—Best of the yellow varieties. Desirable as a contrast. Pkt. 5c.

KING OF BLACKS, or Faust.—Flowers intensely dark, almost coal black. Pkt. 5c.

AZURE BLUE.—Very fine shade of sky blue. Pkt. 5c.

LORD BEACONSFIELD.—Fine, large flowers of deep purple violet, shading off in the petals to a white hue. Pkt. 5c.



INTERNATIONAL MIXED.

CASSIER'S GIANT ODEUR.—Flowers of immense size, and are of the popular Odier type, being all three-spotted or five-spotted on backgrounds of very rich colors. The flowers of the Cassier's are of good substance and fine form, while the plants are of most compact growth. Pkt. 15c.

MAMMOTH BUTTERFLY.—A strain of pansy of matchless forms, colors and markings with flowers half as large again as ordinary pansies. Pkt. 10c.

VIOLET SCENTED.—This new type is a cross between the pansy and violet. Flowers are much larger than the violet, more like pansies, but with the delicious fragrance of the former; mixed colors. Pkt. 15c.

PEACOCK.—This fine new variety has been named the Peacock because the upper petals of the flower resemble in color the peculiar shade seen only in feathers of the peacock, a beautiful ultra marine blue. Petals are edged with a thin white line, within which is purplish crimson, passing into a rich central blotch of blue, shading to black. Pkt. 10c.

INTERNATIONAL MIXTURE.—In almost every country in the world there are pansy specialists, notably those of Scotland, Belgium, France, Germany and Switzerland. Each have their idea of perfection. This mixture consists of a grand assortment from the world's leading growers. Also many choice American strains, which are mainly made up by selecting and crossing the foreign sorts. If you like pansies you must have the International Mixture. Pkt. 20c; $\frac{1}{2}$ oz. \$3.00; oz. \$10.00

IMPERIAL GERMAN MIXED.—Magnificent flowers of richest hues; one of our most popular sorts and of a high standard of excellence. Pkt. 10c; $\frac{1}{2}$ oz. \$1.00; oz. \$3.50.

LARGE LOWERING MIXED.—Pkt. 7c, oz. \$2.75.

FINE MIXED.—Of many good sorts. Pkt. 5c, oz. \$1.00.

COLLECTION.—One packet each of above sorts for \$1.75.



IMPROVED MADAM PERRITT OR WINE SHADES.

POPPIES

This grand old flower has kept pace with the march of improvement and now comes around and surprises us with its new forms, new sizes and new colors.

ROSY MORN.—This new poppy is really superb. The flowers are extremely double and of good size, forming perfect balls of a unique and beautiful shade of rose—a new and distinct color in poppies. It is of the easiest possible culture, belonging to the annual peony flowered section. Pkt. 7c.

SHIRLEY.—A new single. In color from the purest white through the most delicate shades of rose, pink and carmine to the deepest crimson. Pkt. 5c.

AMERICAN FLAG.—Flowers extra large, very double, snow white, bordered with scarlet, thus making an extra choice, very showy variety, that should be very popular. Pkt. 5c.

DOUBLE CARNATION.—A splendid assortment of the best double carnation flowered sorts. The most popular variety, and will make an attractive bed. Pkt. 5c.

ANNUAL VARIETIES MIXED.—Pkt. 3c.

ORIENTAL HYBRIDS.—For brilliancy of color there is nothing to equal these Oriental Poppies. The flowers are of enormous size, often measuring over 6 inches in diameter, while the colors range from soft flesh and rose to the most brilliant dazzling scarlet and richest maroon purple. Their culture is as simple as that of the garden poppies. They are perfectly hardy perennials living through our winters with but little protection, and increasing in size and beauty every year. Pkt. 10c.

ICELAND.—These poppies produce flowers the first year from seed. The colors range from the purest white to the deepest orange scarlet and have a delicious fragrance. For vase and house decorations they rank among the loveliest. Pkt. 10c.

SANTA ROSA MIXED.—A great improvement made by Mr. Burbank on the Shirley poppy, having unusually large flowers of remarkably clear colors, including new striped, salmon and bluish shades. The petals are beautifully crumpled or ruffled and the colors are of surpassing beauty. Many varieties mixed. Pkt. 10c.





IOWA SEED COMPANY'S SINGLE AND DOUBLE PETUNIA.

PHLOX DRUMMONDII.—If we could have but one flower for our garden that one would be the Phlox. Its brilliant shades of color, ranging from clear white to brilliant scarlet, make an almost dazzling show; continuously in bloom if cut freely.

Fire Ball.—Brilliant, dazzling scarlet; very handsome, dwarf, compact. Pkt. 5c.

Grandiflora Alba.—Pure white, very large flowers, constantly in bloom. Pkt. 5c.

Cupidata or Star.—Petals run out like little spines, thus giving the flowers a beautiful effect. Many colors. Pkt. 10c.

Double Pearl.—A grand variety, introduced by us in 1888. By constant selection we have improved it so that almost every plant produces handsome, double, pure white flowers. It is very pretty, and will prove a splendid acquisition for bouquet work. Pkt. 10c.

Grandiflora Mixed.—This special large flowering strain has been selected with great care for many years, until we now have an ideal flower of immense size and for beauty of color they are unsurpassed. The colors range from the purest white to nearly black, including all shades of pink, red, violet, crimson, purple, lavender, blue, scarlet and brown, striped and blended in an indescribable manner. Pkt. 8c.

Jubilee.—A decided novelty, being an entirely new color in Phlox, a bright yellow; flowers nearly the size of a twenty dollar gold coin. Pkt. 8c.

Fringed Mixed.—Very handsome. The flowers are of the most velvety colors and handsomely fringed. Pkt. 7c.

Mixed Varieties.—A mixture of the common varieties. Pkt. 5c.

Perennial Mixed.—Splendid hardy plants which bloom continually after the second year. Pkt. 5c.

OXALIS.—*Choice Mixed.*—Free flowering little plants. Useful for edgings. Pkt. 5c.

RICINUS.—(*Castor Oil Plant*).—*Cambogiensis.*—This beautiful plant grows to a height of 3 feet, and of the most stately, majestic, tropical appearance. Large palm-like leaves of darkest reddish maroon, covered with a bright bronzy lustre, while the main stalk and leaf stems are ebony black. Leaves have large red veins which add to the beauty. The fruit is fiery red. It is unexcelled as a decorative plant for lawn or garden. Seed will always be scarce and high. Pkt. of 10 seed 10c.

Zanzibarensis.—Grows to a height of 12 to 14 feet with leaves 2 to nearly 4 feet across. A handsome specimen plant for lawns. The different varieties included in our mixture have light and dark green leaves and some of coppery bronze, changing to dark green, with reddish ribs. Pkt. 5c.

Sanguineus Tricolor.—Blood red stock; foliage reddish bronze with scarlet seed pods. Very attractive. Pkt. 5c.

All Varieties Mixed.—Contains a choice assortment. Pkt. 4c.

OENOTHERA.—*Evening Primrose.*—*Mixed Colors.* Blooms fully expand only towards and during evening. Three to four inches across. Hardy annual. Mixed white and yellow. Pkt. 5c.

SALVIA.—*Splendens.*—One of the most brilliant scarlet flowers; it thrives in any light, rich soil; often called Flowering Sage. Free bloomers. Very fine. Most satisfactory of bedding plants, especially for fall blooming. Pkt. 10c.

SUNFLOWER.—*Globe of Gold.*—Dwarf, well branched plant growing about three feet high and each of its numerous branches carrying a medium sized, densely double, globe-shaped flower of rich, deep, golden yellow color, being veritable globes of gold. The most densely double of any sunflower. They are easily grown from seed and produce handsome, symmetrical plants, effective on lawns or in the garden. A wonderfully beautiful flower. Pkt. 7c.

Excelsior Branching.—This new sunflower caused great attention in Europe. Has a single flower, five inches across, producing a pyramid of bloom. Pkt. 10c.

Silver Leaved.—Leaves long and densely covered with long white hairs which give it a peculiar shining silvery appearance. Flowers clear golden yellow, three to four inches across. Pkt. 5c.

Peerless Mixed.—A splendid assortment of fifteen of the best varieties grown together on our grounds. It includes some which are both curious and desirable. Pkt. 5c, oz. 10c.

Mammoth Russian.—Largest of all, quite showy, and the most profitable to grow for feeding purposes. Per oz. 5c, lb. 20c.

PETUNIA.—No garden is complete without a bed of elegant petunias. They commence flowering early and continue a mass of bloom throughout the season, until killed by frost; easily cultivated, require rich soil and a sunny situation.

Grandiflora Mixed.—Very large, elegant flower; a great improvement and fully twice the size of the old sorts, with the most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, bordered, marked and fringed. Pkt. of 200 seeds 10c.

Giant Fancy Flowering.—A new strain and undoubtedly the handsomest of all. See Novelties for description. Pkt. 25c.

Double Inimitable.—A splendid mixture. Our seed is the best German grown, and will produce large percentage of fine double flowering plants. Pkt. 25c.

Iowa Seed Company's Single and Double.

—Choice mixture of double and single varieties; all colors. Pkt. 25c.

Little Petunia.—Bushy little plants about eight inches high, covered for months with beautiful flowers which are widely open and always look fresh, bright and beautiful. Most of the flowers have a distinct five-pointed star in the center a great variety of colors. Pkt. 10c.

Fine Mixed.—Best of older sorts carefully mixed. Pkt. 3c.

PYRETHRUM.—*Golden Feather.*—Beautiful golden-leaved foliage plants of special value for borders and ribbon beds. Pkt. 5c.

Roseum.—It is from this that *Perianthus* is made. Flower large, yellow and rose colored. Pkt. 8c.

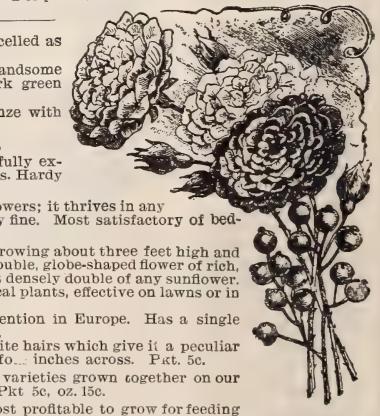
PRIMROSE.—*Chinese.*—One of the most desirable plants for growing indoors, being in almost constant bloom all winter, and if transferred to the border, they will bloom nearly all summer. Though perennial, new plants flower more freely. Start seed under glass. Mixed colors. Pkt. 15c.

Forbesi.—*Baby Primrose.*—A wonderfully free blooming little plant, covered with a mass of small flowers, especially during the winter. Pkt. 10c.

Obconica.—*Everblooming Primrose.*—A favorite on account of its great blooming qualities. Mixed colors. Pkt. 10c.

PLATYCODON.—(*Wahlenbergia*.)—A perennial plant blooming the first year from seed, which should be sown early in open ground. Flowers are of large size, 2½ to 3 inches in diameter, and of various shades of light blue, lavender and white. Pkt. 7c.

FAIRY ROSES.—These little beauties are very easily grown from seed. The blossoms are only about an inch across, usually very double, but occasionally semi-double, and seldom single; they are borne in large clusters and are of many colors. What is most remarkable of these Fairy Roses grow only 10 to 15 inches high and will commence blooming in a few weeks after the seed is sown, and continue year after year in uninterrupted profusion from May until frost. Also nice for pot plants for winter blooming. Per pkt. 10c



FAIRY ROSES.



SALVIA.

SET OUT A FEW GRAPE VINES THIS YEAR AND ENJOY FRUIT FROM YOUR OWN VINES.



SALPIGLOSSIS.—One of the most beautiful of flowering annuals, forming strong, bushy plants, about 18 inches high, and bearing throughout the season large flowers 3 to 4 inches across, of many beautiful colors. Sometimes called Painted Tube Tongue.

New Varieined.—This is very much larger than the common Salpiglossis. The surface is soft and velvety and the wealth of color marvellous. The colors range from pure white to dark yellow, dark red and purplish black, including light and dark blue, velvet purple, color maroon, crimson, dark brown, golden and lemon yellow, white, dark purple, black, brilliant scarlet, with all the shades between, beautifully veined and mottled, blooms all summer till frost. Pkt. 8c.

SCABIOSA.—(*Or Mourning Bride.*) **Double Dwarf Mixed.**—A handsome summer border plant producing in great profusion very double flowers in a variety of shades and colors—pure white, yellow, red, lavender, black etc. Fine for bouquets and keep a remarkably long time. Pkt. 5c.

SENSITIVE PLANT.—A very pretty and curious plant, the leaves closing when touched. The seeds start slowly, and it is best to start them in boxes. Always pleases the children. Pkt. 5c.

STOCKS.—**Large Flowering Dwarf German.**—The most popular flower with our German customers. They are sometimes called Gillflowers or Ten Week Stocks, and are so fragrant, beautiful and easily grown they deserve a place in every garden. Our mixture contains a great variety of colors. Pkt. 5c.

Perpetual White.—(*Princess Alice or Cut and Come Again.*)—Of strong growth, fine branching habit, and if sown early will bloom from May until November. Flowers very large and pure white, and the more they are cut the better they like it. Deliciously fragrant. Pkt. 10c.

SWEET SULTAN.—**Giant Flowering Mixed.**—Very large, 3 to 4 inches across, and most deliciously fragrant; the color of the flowers are infinitely varied from glistening white through shades of red to royal purple. Pkt. 10c.

SWEET WILLIAM.—**Single Mixed**

—One of the best edging plants for the border, bearing in early summer large heads of the richest and most varied colors. Very fragrant. Perennial. Pkt. 5c.

Double Mixed.—Florets are finely double; brightly colored. Pkt. 5c.

WALLFLOWER.—Greatly prized for their exquisite fragrance. They grow in long, brilliant colored spikes of flowers. Plants removed to pots in autumn will produce an abundance of delightfully fragrant flowers of many choice colors.

Double Varieties Mixed.—Pkt. 10c.

Single Varieties Mixed.—Best single and semi-double varieties. Pkt. 3c.

Early Flowering Mixed.—Flowers early the first season from seed, blooming in profusion from early in June until late autumn frosts without injury. The blossoms are large size and borne in compact short spikes or clusters and are exceedingly sweet scented. Are also hardy and bloom well the second year. Colors range from yellow to dark brown, striped, etc. Pkt. 8c.

WATER LILIES.—**African.**—These have been quite popular during the past few years. They are easily grown and bloom in three or four months from the time of sowing seed. Persons having no pond should sink half barrel in the ground. Directions for growing sent with seed. Mixed colors, red, white and blue. Pkt. 10c.

VINCA.—**Fine Mixed.**—(*Periwinkle.*)—A very pretty, free flowering perennial with shining green foliage; beautiful flowers. Pkt. 5c.

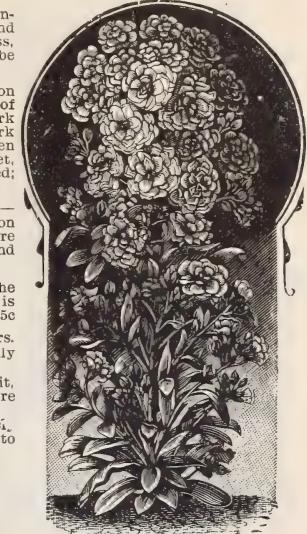
VIOLA.—**Odorata.**—The well known sweet violet. Mixed colors; seed starts slowly. Pkt. 10c.

NICELLA.—(*Love in the Mist.*)—Hardy annuals, about 1 foot in height, finely cut leaves and handsome flowers. Blooms early. A very pretty flower and one our customers should try. Double flower, blue, white and purple, beautifully veiled and feathery, delicate appearing foliage. Pkt. 4c.



Curled and Crested.—An unique and charming variety with petals oddly curled and crested in fantastic contortions and graceful forms. Many colors. Pkt. 5c.

Finest Double Mixed.—Pkt. 3c.



PERPETUAL WHITE STOCKS.

TORENIA.—*Fornieri.*—Beautiful free flowering, trailing plants, well suited for baskets, vases, and in moist situations out of doors. A handsome plant, but not hardy. Pkt. 10c.

VERBENA.—The verbena is deservedly a universal favorite, unrivaled in the splendor of its dazzling brilliancy of flower. A constant bloomer and if grown from seed has a sweet fragrance. Start seed early in the house and it will bloom all summer.

New Century Mammoth.—Of most beautiful colors, largest flowers and largest truss of any verbena, and it is a variety which will please everyone. When well grown every flower truss measures over nine inches in circumference, while the single florets are as large as a twenty-five cent piece; more vigorous in growth than the ordinary verbena. Contains a great assortment of colors, the illustration showing a flower of dark scarlet with white eye. Pkt. 15c.

Candidissima.—Large trusses of pure white flowers; beautiful. Pkt. 8c.

Defiance.—A true scarlet; extra fine. Pkt. 10c.

Blue Mixed.—Desirable. Blue, purple and lavender varieties. Pkt. 10c.

Extra Choice Mixed.—From finest German collection of named sorts. Pkt. 7c.

Fine Mixed.—Contains a nice variety of colors. Pkt. 4c.

MIRABILIS.—**Mixed Colors**—This is one of the most showy annuals, presenting a most gorgeous sight during the afternoon. Commonly called Marvel of Peru, or Four O'clock. Many colors. Pkt. 3c.

Tom Thumb Mixed.—Very handsome, compact dwarf, bushy plants with elegant golden-variegated foliage; numerous brilliant flowers, pure yellow, deep red and striped and blotched. Pkt. 5c.

JAPANESE MAIZE.—**Quadricolor.**—An ornamental foliage variety of corn, growing 5 to 6 feet high, with long wide leaves which are beautifully striped with broad bands of white, changing soon to narrow stripes or ribbons of alternate scarlet white and brightest green, showing tinges of pink or rose color at the edges. The variegation does not begin to show until the fourth or fifth leaf. Pkt. 5c, oz. 20c.

CHINESE HORN NUTS.—A large and most singular appearing nut resembling buffalo horns, which is known botanically as *Trapa Nutans*. It is a swamp plant and can be grown in a jar of water, but it is better to have some dirt at the bottom. The growth is quite interesting and rapid and they produce pink single flowers; they are always of poor vitality and are sold mainly as curiosities. We offer packets of 3 nuts for 10c.

ZINNIA.—Strong growing, hardy and elegant plants, rivaling the dahlia in size and doubleness, while the colors are bright and varied ranging from white to deep, purplish crimson. Splendid for hedges, beds and borders.

Pigmy, or Lilliput.—This strain is the acme of beauty and perfection in zinnias. Plan small and of bushy growth, each one bearing scores of beautiful blossoms of the most perfect shape and brilliant colors, from pure white to dark orange purple, crimson and vermillion. Mixed colors. Pkt. 7c.

Zebra.—Beautifully and brilliantly striped with rich colors. There are always a few which do not produce striped flowers, but these are not common. Pkt. 5c.

Ornamental Climbers.

NOTHING adds more to the homelike appearance of a place than to have the pleasant shade of vines over the porches and climbers on trellises, trees, fences and outbuildings. We list them here together so that our customers can make selection. Notice also the list of hardy permanent vines on pages 86 and 87.

ADLUMIA CIRRHOSA.

Has a striking resemblance to foliage of the Maiden Hair Fern. It is a hardy biennial climber, growing readily from seed; foliage feathery, dainty and picturesque; blooms second year; pink and white flowers. Plant in cool, moist place. Pkt. 10c.

AMPELOPSIS VEITCHI.—or Boston Ivy

—Described on page 86. Pkt. 5c.

BALLOON VINE.—A pretty, rapid growing climber, succeeding best in a warm situation. Flowers white followed by balloon like seed pods. Pkt. 5c.

BIGNONCPSIS.

—Beautiful summer climber with yellow flowers, followed by pretty, cherry-like, green fruits, which change to bright scarlet, marbled with white. Pkt. 5c.

CANARY BIRD FLOWER.—One of the most beautiful climbers, with delicate finely cut foliage and curious bright yellow flowers, resembling the canary bird in shape and color. Pkt. 5c.

ADLUMIA.

COBOEA SCANDENS.—A magnificent climber of rapid growth and beautiful blue flowers. The seed should be planted edgewise. Pkt. 10c.

CYPRESS VINE.—A beautiful rapid climber with delicate dark green foliage, and an abundance of star-shaped scarlet and white blossoms.

Scarlet.—Very bright. Pkt. 5c.

White.—Pretty in contrast with scarlet. Pkt. 5c.

Mixed Colors.—The above mixed. Pkt. 3c. oz. 3c.

New Ivy Leaved.—Entirely distinct from all other varieties both in flowers and foliage. The ivy-like leaves make a dense screen from which the pretty orange-red flowers stand out in countless numbers. Pkt. 7c.

DOLICHOS.—(*Hyacinth Bean*.)—**Mixed Colors.**—A rapid growing annual climber flowering freely in clusters, followed by ornamental pods. Fine for arbors or porches. Pkt. 5c.

Princess Helene.—A beautiful white, sweet scented variety. Pkt. 10c.

GOURDS.—**Ornamental Mixed.**—A mixture of the odd shaped and fancy colored sorts. Contains some of the most popular and handsome foreign varieties. Pkt. 5c. oz. 3c.

HUMULUS.—(*Hop*.)—**New Japanese Variegated.**—A handsome and distinct climbing vine, valuable for trellises and high places. The leaves are strikingly variegated, bright deep green, distinctly marked and blotched with silver white tinged with yellow. Pkt. 10c.

MAURANDIA.—Delicate climber for windows or conservatories. Admirable for hanging from vases. Pkt. 10c.

MOONFLOWER.—**White.**—(*Ipomoea Grandiflora*.)—One of the grandest of summer climbers, growing twenty-five to forty feet high, and covered nightly and on dull days with beautiful white and moon-like flowers from five to six inches in diameter. Fragrant. Pkt. of 10 seeds, 7c.

Blue.—(*Ipomoea Laciniata*.)—Distinct and charming novelty; in striking contrast to the true Color is exquisite, clear, satiny blue with well defined crimson bars. Pkt. 10c.

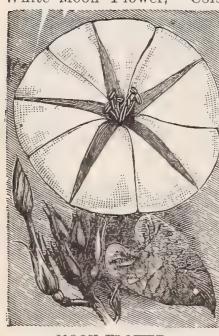
MOMORDICA.—**Mixed.**—A rapid growing vine bearing large bright colored fruits known as Balsam Apple and Balsam Pear. Pkt. 5c. oz. 25c.

NASTURTIUM—Tom Ponce.—A distinct class of trailing habit bearing brilliant little scarlet, yellow and orange flowers, many of which are handsomely marbled with contrasting shades. Very desirable for growing in baskets or vases. A good winter bloomer. Pkt. 5c. oz. 20c.

Ivy Leaved Perfection.—This unique and most beautiful climbing nasturtium is different from all others in foliage flowers. Plants of running growth, star-like leaves of rich green veined with white. Flowers are of medium size, intense glowing scarlet in color, and of most distinct form. Pkt. 10c. oz. 30c.

Tall Varieties Mixed.—Pkt. 3c. oz. 10c. 34 lb. 30c. 1b. 65c.

White Moon Flower.



MOON FLOWER.



MORNING GLORIES.—**Imperial Japanese.**—Remarkable for the large size and exquisite new colors of the flowers with magnificent foliage often beautifully blotched. Of strong, robust growth. The vines grow quickly to a height of 12 to 20 feet. The flowers are of gigantic size, sometimes measuring four or five inches across. The colors of the flowers, shading and markings are really wonders of nature, and of incomparable beauty. Double and single mixed. Pkt. 8c. oz. 25c.

Improved Climbing.—A great improvement on the old climbing morning glory. Of large size and great variety. Pkt. 5c. oz. 20c. 34 lb. 60c.

Fine Mixed.—Mixture of old varieties. Pkt. 2c. oz. 10c. 34 lb. 20c. 1b. 60c. **Brazilian.**—(*Ipomoea Setosa*.)—One of the grandest and most luxuriant plants ever grown, very showy and graceful, with rose-colored flowers from three to four inches in diameter, and a huge leaf ten to twelve inches across. Pkt. 10c.

New Double Flowering.—A splendid novelty of rapid growth, and produces its double flowers very freely. They are white with a slight spot of red or blue at the base of the larger petals. About 8 per cent of the seedlings will reproduce themselves true from seed. Pkt. 10c.

CLIMBING NASTURTIUM.—**Caprice.**—A charming novelty with flowers of changeable colors. A single plant frequently showing a dozen different colors or markings. Pkt. 10c. oz. 25c.

Jupiter or Sunlight.—Attracts instant attention by the great size, exquisite form and fine color of the flowers. The flowers measure 3 1/2 to 3 3/4 inches in diameter, the petals 1 1/4 inches across. The blossoms have a most beautiful crinkled crepe-like look; color is a splendid, rich brilliant yellow. Pkt. 5c. oz. 15c.

Madam Gunter's Hybrids.—For richness and variety of colors these new hybrids have no equal among the nasturtiums. The foliage is mostly dark and contrasts very effectively with the flowers. They are climbers and free bloomers. Color of flowers is most gorgeous, ranging from white through all the shades of pink, red, carmine, crimson, salmon, golden yellow to the deepest brown and maroon—nearly black, all striped shaded and blotched in an indescribable manner. Pkt. 5c. oz. 15c. 34 lb. 45c.

King of the Blacks.—A very handsome climbing variety, with flowers of a very rich dark brown almost black. Pkt. 5c. oz. 15c.

Spifire.—A bright, glowing cardinal red climbing variety. Pkt. 5c. oz. 15c.

Napoleon III.—Golden yellow flowers striped scarlet. Pkt. 5c. oz. 15c.

Lob's Nasturtiums Mixed.—These are much superior to the ordinary tall nasturtiums in brilliancy of flowers, height and rapid growth. Our mixture contains all of the best named sorts. Pkt. 5c. oz. 15c.



MADAM GUNTER'S HYBRIDS NASTURTIUM.

SWEET PEAS.

May well be called America's favorite, as it is such a popular and easily grown flower that rich and poor alike can enjoy its fragrance and beauty. Out of nearly 200 varieties which we carefully examined on trial ground we selected the following as being the very best.



AMERICA.—Clear scarlet on a white ground. Pkt. 50c, oz. 10c, $\frac{1}{4}$ lb. 25c.

AURORA.—Extra large flowers, flaked and striped bright salmon on a white ground. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c.

BLACK KNIGHT.—Rich glossy blackish marmoon. Immense bold attractive flowers borne in greatest profusion. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

COUNTESS SPENCER.—Truly a gigantic new variety of finest form and coloring. The standard and wings are broad and well spread. The coloring is a silvery white, suffused with soft rose-pink, which deepens at the outer edges and becomes still richer and more heavily suffused in cool weather. In size, form and coloring, Countess Spencer is simply exquisite and beyond the power of words to describe. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

DOROTHY ECKFORD.—The largest flowered white variety. A great bloomer. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

EARLIEST OF ALL.—Very early; bright pink with white wings. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

EMILY HENDERSON.—An extra fine pure white variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c.

EMILY ECKFORD.—A superb large flower of rose purple color. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c.

EXTRA EARLY BLANCHE FERRY.—Earliest of all. An improvement on Painted Lady. Delicately handsome. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c.

GRAY FRIAR.—White clouded and dotted lilac. Decidedly odd and attractive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

HON. F. BOUVIER.—Pinkish salmon at base of standard and wings shading to light salmon and buff at edges. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

KING EDWARD VII.—A true giant flowered variety, brighter than either *Mars* or *Salopian*; in fact, the best dark red in existence. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

LADY GRISEL HAMILTON.—Light lavender with blue wings. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

LOVELY.—The most beautiful shades of soft shell-pink, shading to very faint rose at the outer edges. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c.

MONT BLANC.—Large white flowers, free blooming and the earliest of all whites. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

MAID OF HONOR.—Light blue on a white ground, edged with deep violet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

MRS. KENYON.—A decided novelty in Sweet Peas, being a very pretty large flowered sort, of a handsome primrose yellow color. You should have it if you want an attractive new color in your mixture. Pkt. 5c, oz. $\frac{1}{4}$ lb. 25c.

OTHELLO.—A beautiful dark brown chocolate red self-colored. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c.

PRINCE OF WALES.—A bright, self-colored, deep-rose flower of grand size and beautifully hooded form; frequently four on a stem. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

IMPERIAL MIXED.—Sixty of the best varieties carefully selected so as to get the proper proportion of each color in the assortment. This makes the choicest mixture ever offered. Our illustration shows a bunch of the various colors and we are sure our customers will be greatly pleased with them. Pkt. 5c. oz. $\frac{1}{4}$ lb. 25c, $\frac{1}{2}$ lb. 75c.

MRS. WALTER WRIGHT.—Of pinkish cream, changing to reddish purple; large. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

MRS. DUGDALE.—Standard rose.

—Standard rose, wings primrose, shaded and splashed rose. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

NAVY BLUE.—A great novelty and the darkest and truest blue of any variety in existence. A free bloomer. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

PRIMA DONNA.—A soft shade of bright rose-pink, with deeper coloring in center of standard and inner portion of wings. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

RAMONA.—Creamy white flower, striped and flaked blush pink. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c.

ROYAL ROSE.—Beautiful clear rose. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c.

CUPID MIXED.—Of dwarf growth. Flowers are pretty and freely produced. Mixed colors. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

BUSH VARIETIES MIXED.—Of distinct upright growth, forming a bush instead of climbing; many colors. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, $\frac{1}{2}$ lb. 75c.

PERFECTED MIXED.—Of graceful form, charming color, exquisite fragrance and simple loveliness. This mixture contains many choice new varieties and some old favorites. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 50c.

DOUBLE MIXED.—Saved from the best double flowered plants. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c. $\frac{1}{2}$ lb. 75c.

FINE MIXED.—A nice mixture for a very low price. Pkt. 2c. oz. 5c, $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 35c.

CALIFORNIA GIANTS.—Tourists from the east are always greatly surprised and delighted with the Sweet Peas which bloom so freely in California. One of the best growers there who has been growing sweet peas for us during the past twelve years and who devotes about fifty acres annually to their culture, has, during the past few years, been selecting seed from the specially large flowers and we now offer it in a splendid trial. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

COLLECTION.—One packet each of above 32 varieties for 90 cents.

PERENNIAL SWEET PEAS.—(*Lathyrus*)—A very popular perennial variety, wherever known and it should be more generally used. Mixed colors. Bloom second year. Pkt. 5c, oz. 20c.

WIRE TRELLIS

The galvanized wire poultry netting four feet wide makes the best support for Sweet Peas. 10 ft. length 40c. 50 ft. length \$1.75



SPRAY YOUR HOUSE PLANTS WITH A TYRIAN SPRINKLER. PRICE 75 CENTS POSTPAID.



WILD CUCUMBER.

WILD CUCUMBER.—A well known vine common in many sections, and the quickest climber known for covering verandas, old trees and houses, trellises, etc., never suffering from the heat, but retaining its fresh and lively green color; never infested with insects, very profuse in bloom. It reaches a height of 30 feet in one season. It is covered with clusters of white, sweet scented flowers, followed by an abundance of ornamental prickly seed pods. It will reproduce itself from self-sown seed every year. Pkt. 5c, oz. 20c.

BEANS.—**Scarlet Runner.**—A valuable climbing vine, belonging to the bean family, having bright scarlet flowers and pods; very showy as a climber, also valuable for table use. Pkt. 5c, $\frac{1}{2}$ pint 20c.

Arabian Runner.—A beautiful variety of the above with striped scarlet and white flowers. Pkt. 5c, $\frac{1}{2}$ pint 25c.

PASSION FLOWER.—A desirable climbing plant. Sow seed early and if well cared for and seasons are favorable, vines will send out magnificent blossoms the first year, of pink, blue and white, very large and showy. Pkt. 10c.

SMILAX.—Considered the most beautiful of all vines for indoor growing and specially valued by florists for decorating and floral work all times of the year. The seeds start slowly and should be planted in loose, rich soil, and kept moist and warm. Pkt. 8c.

THUNBERGIA.—**Mixed Colors.** (*Black Eyed Susan*.)—Beautiful, rapid growing climbers for vases, trellises or rustic work. Flowers buff, orange, white, etc. Pkt. 5c.

WISTERIA.—One of the most popular hardy vines, climbing to a height of fifty feet or more. It is perennial and easily grown from seed. Of rapid growth, bearing in the spring immense panicles of purple flowers in great profusion. Pkt. 10c.

EVERLASTINGS AND GRASSES.

These are very attractive for winter decoration as they are of rich brilliant colors and are fine for winter bouquets. Cut when in full bloom, tie in small bunches and hang with heads downward to dry.

AMOBUM.—*Alatum Grandiflorum*.—A pretty everlasting, double white flower. Pkt. 4c.

ACROCLINIUM.—**Mixed Colors.**—An everlasting, bearing large double flowers. Pkt. 3c.

AUSTRALIAN STAR FLOWER.—(*Cephaelipteron Drummondii*.) An improved strain. This unique plant grows readily from seed in any ordinary garden soil, preferring a rather sandy one. Blooms early in the season and continues in bloom for a long time. The fragrant flowers are of a peculiarly rosy crimson shade, sometimes approaching pure white, are produced in large graceful clusters which, when cut, will retain their form and color in perfection permanently. Sow early in the open ground or may be started early in the house and transplanted. Pkt. 10c.

GLOBE AMARANTH.—(*Compharum*)—**Mixed Colors.**—Popularly known as "Bachelor Buttons." Handsome, globular heads of flowers, which if cut when well matured, will retain their beauty through the winter; colors purple, white, flesh colored, orange and striped. Pkt. 5c.

GOLD AND SILVER FLOWER.—Has silvery white flower with golden center. Pkt. 10c.

HELIOPHYLLUM.—**Monst. Mixed.**—A pretty and popular hardy annual bearing large double flowers of different shades and colors, ranging from white to yellow, rich red and scarlet. Best everlastings. See cut. Pkt. 5c.

RHODANTHE.—**Maculata.**—One of the finest and most beautiful of flowers are of various colors. For winter bouquets the blossoms should be gathered before fully expanded, and if dried in the shade will retain their brilliancy for years. Rosy crimson with bright yellow center. Pkt. 5c.

XERANTHEMUM.—Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.

MIXED EVERLASTINGS.—A grand assortment of all sorts of everlasting flowers, suitable for bouquets, etc. Pkt. 10c.

JOB'S TEARS.—An ornamental grass known botanically as *Coix Lachryma*. Grows two to three feet high, with broad, corn-like leaves; hard shining pearl-like seeds which are often strung and used for portiers. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

PENNSETUM.—*Rueppelianum*.—A handsome grass commonly called Purple Fountain Grass. Pkt. 10c.



RHODANTHE.



MONSTER HELICHRYSUM.

OLD FASHIONED GARDEN.
One packet each of Aster, Bachelor's Buttons, Balsams, Candytuft, Coreopsis, Double Dahlia, Double Hollyhock, Larkspur, Marigold, Mignonette, Chinese Pine and Wall flower FOR 25c.

CHILDREN'S GARDEN COLLECTION.

A Source of Healthy and Useful Recreation for the Little Folks.

1 pkt. Beet.
1 pkt. Carrot.
1 pkt. Lettuce.
1 pkt. Onion.
1 pkt. Radish.
1 pkt. Asters.
1 pkt. Mignonette.
1 pkt. Pansy.
1 pkt. Petunia.
1 sweet Peas.

ALL FOR 20cts.

SPECIAL MIXTURE OF FLOWER SEEDS.

Many persons derive pleasure from watching the growth of a varied bed of flowers, entirely out of the usual trim garden style, while others desire a much more extended collection than their means will permit. To both of these classes the following special mixtures will appeal:

MIXTURE OF FRAGRANT ANNUALS.—Carefully made up from seeds of fragrant flowers only. A bed of these will give rich perfume throughout the day and evening, while some of them are also suitable for cutting. Pkt. 10c.

MIXTURE OF CLIMBERS.—This is a liberally filled packet of seed of many beautiful annual climbers suitable for growing together. Pkt. 10c.

MIXED BIENNIALS AND PERENNIALS.—About fifty varieties. Every garden should contain a good assortment and it will be easily obtained in this way. Pkt. 10c.

LOW GROWING ANNUALS.—This mixture contains seed of a great variety of low growing annuals, few of which exceed four to six inches in height, and which, when sown in beds or borders, present the appearance of Turkish rugs, carpeting the ground in their wide range of coloring and forms. Pkt. 10c.

FLOWERS FOR BOUQUETS.—This mixture embraces seeds of annuals producing flowers suitable for cutting and for bouquets, nearly all of them having long stems. Planted in a section of the garden this will furnish a constant supply of cut flowers. Pkt. 10c.

INTERNATIONAL NOVELTIES MIXED.—Each year we make a grand test of floral novelties, obtaining seed therefrom for all parts of the world, and our trial fields exhibit a truly magnificent display of flowers never before grown here. A few of the new varieties did not do well with us, but they may prove valuable in other climates or on different soils; by far the larger number are valuable acquisitions which we would like our customers to try. We have saved seeds of most varieties, but instead of listing them in catalogue separately at 10c to 25c per packet, we have decided to mix them all together and offer our customers this grand assortment at the low price of 10c per packet, 3 for 25c.

LAWN FLOWER MIXTURE.—A special mixture of low growing, quick blooming flowers, very desirable for sowing with Lawn Grass Seed in the spring. They come up quickly, afford shelter for grass seed and will bloom by the time the grass requires cutting the first time. Also desirable for sowing on an old lawn very early in the season. Price per ounce package, only 25c.

WILD GARDEN MIXTURE.—Over 400 kinds of such flower seeds as are suitable to be planted together, altogether forming a mass of bright colored flowers and beautiful foliage which is sure to interest and please. Our illustration will give some idea of the possibilities in growing flowers from this mixture. Select a light, rich soil, as free from weeds as possible, plant in this latitude about the first of May. Pkt. 5c, $\frac{1}{2}$ oz. 20c, oz. 35c.

NOTICE:—All of the above mixtures are carefully prepared from choice fresh seeds and cannot fail to give satisfaction. The packets are liberally filled and in no other manner can so many seeds be obtained at such light cost.

POPULAR COLLECTION.

Consists of one packet each of

Sweet Alyssum, Aster, Balsam, Candytuft, Convolvulus, Cypress Vine, Canna, Cockscomb, Dianthus, Larkspur, Ice Plant, Mignonette, Nasturtium, Petunia, Pansy, Poppy, Phlox, Sweet Peas, Sunflower and Zinnia.—Total, 20 packets for 50 cents.



IOWA SEED COMPANY'S 32 GREENHOUSES.

Special Express Rates.—All express companies now carry plants at a reduction of 20 per cent from regular merchandise rates. If you wish your plants sent by express we will put in gratis a few extra plants to help pay the charges.

Notice.—We ship all plants as soon after order is received as weather permits. Bedding plants we will hold until usual season for setting out. If plants are ordered for immediate shipment they will be sent at purchaser's risk.

AGERATUM.—*Princess Pauline*.—A most distinct and novel variety of dwarf, compact habit, rarely exceeding five inches in height, its peculiarity being that both colors, blue and white, are combined in the same flower, a most charming appearance, and it is one of the most distinct and beautiful new bedding plants now on the market. It is free flowering the entire season and very bright and pretty. Each 10c, dozen \$1.00.

White Swan.—A beautiful pure white variety, having large clusters of pretty flowers, very desirable for borders or bedding. Each 10c, dozen 75c.

Stella Gurney.—Color a deep even blue and literally forming a sheet of bloom all summer. Dwarf and compact in growth. Each 15c, dozen \$1.25.

ARUNDO DONAX.—An ornamental plant having wide, but grass-like foliage handsomely variegated white and green. Very showy and desirable for bedding. Each 15c, dozen \$1.50.



ASPARAGUS PLUMOSUS NANUS.

ABUTILON.—*Golden Fleece*.—The best yellow variety; of dwarf habit. Each 15c.

Thompsonii Plena.—Instead of single bell-shaped blooms all other kinds, this has a perfectly double flower of a rich deep orange color, shaded and streaked with crimson. Foliage handsomely variegated. Each 15c.

Erecta.—Color pink changing to orange. Each 10c.

ALTERNANTHERAS.—Bright colored dwarf growing foliage plants, largely used for carpet bedding, borders, etc. Either red or yellow. Each 10c, doz. 75c.

ARTILLERY PLANT.—A neat pretty plant, resembling some of the ferns. Its graceful habit makes it very desirable for baskets and vases. Each 10c.

ASTERS.—All the best varieties mixed. Our price is low and it will pay you to have a fine bed of asters this year. Doz. 75c, 100 for \$3.00. Charges prepaid.

SWEET ALYSSUM.—*Variegated*.—A charming little plant the flower having all the sweet grace and beauty of the common sweet alyssum, being pure white and produced in numerous spikes which cover the plant. Quite fragrant. It has the further advantage of beautifully variegated green and white foliage and is attractive for borders, bedding or pot culture. Each 10c, doz. 90c.

Single White.—Nice little pure white flowers. Each 10c, doz. 60c.

Double.—Very desirable for either pots or bedding. Each 10c, dozen 75c.

FLOWER PLANTS.

It is now just twenty-three years since we purchased a range of greenhouses and during the past few years we have entirely rebuilt them, adding greatly to their size, and we now have thirty-two large greenhouses besides a large number of steam heated hotbeds and cold frames, thus giving us the largest amount of glass of any concern in Central Iowa. We employ experienced florists to look after this branch of our business and all their time and attention is devoted to growing flower plants and bulbs exclusively for the mail order trade, as for this purpose they require special culture in greenhouses kept at a low temperature so that they will be hardy, healthy and vigorous. The plants thus grown are much better prepared for shipment through the mails and for setting out in the open ground than those grown in the ordinary greenhouses which are kept at a high temperature. We are filling orders constantly from every state and also from various parts of Canada, Mexico, etc. Our system of packing is so very complete that plants arrive in almost as perfect condition after traveling many hundreds of miles as they were when packed.

Terms and Discounts.—At prices named we send plants postpaid except where noted. Orders must amount to at least 25c. We will furnish plants amounting to \$1.20 for \$1.00, \$2.50 for \$2.00, \$7.00 for \$5.00.

We Guarantee.—That plants ordered from this list will reach purchasers in any part of the United States in good order if sent by mail or express. **Keep Plant and Seed Orders Separate.**—Kindly write your plant order on separate sheet from seed order so it can be sent to greenhouse for filling.

ASPARAGUS Sprengerii.—A splendid new plant for hanging baskets or pots. It droops most naturally, sending out numerous feathery fronds which in a short time make a growth of 3 to 6 feet forming an exquisitely handsome and striking picture. It produces small white flowers which are succeeded by red berries. A well established plant is literally a mass of emerald green. Nice young plants each 10c; large size, each 25c.

Plumosus Nanus.—One of the handsomest of our foliage plants for pot culture, beautiful the year round, and there is no more decorative plant in the entire list. Easily grown, even in a north window. Leaves are bright green gracefully arched, as finely woven as the finest silk mesh; their lasting qualities, when cut, are remarkable, retaining their freshness for weeks. Each 15c; large 25c.

ABUTILON.—*Savitzii*.—One of the most beautiful new variegated-leaved plants in existence. Its large maple-like leaves are almost white, being blotched here and there only with clear, bright green, a most charming contrast, heightened still more by the very large, orange-colored, bell-shaped flowers with which the plant is always covered. Each 15c, 4 for 50c.

NEW
ABUTILON
"SAVITZII"

THE EXTRA PLANTS WHICH WE SEND WITH EACH ORDER SHOULD PROVE GRATIFYING.



VERNON BEGONIA.

ARAUCARIA.—*Excelsa.*—This beautiful plant resembles the pine somewhat in appearance, though much finer in texture, and is particularly adapted to table decoration. It is most unique in appearance. Its deep green feathery foliage arranged in whorls—rising one above the other at regular distance makes it a plant of rare value for house or conservatory decorations. Must be sent by express—too large to mail. Each \$1.00, \$2.00 and \$3.00.

BROWALLIA.—*Mammoth.*—The most beautiful of all the Browallias. The plants grow only about a foot high, forming dense little bushes, which are covered with an abundance of the most delightful sky blue flowers. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Each 15c; doz. \$1.25.

BRYOPHYLLUM.—*(Sprouting Leaf.)*—A most curious plant. The leaves are thick and heavy and when cut and placed in moist soil little plants start from the notches in them and make strong plants in a very short time. Flowers look like long green, red striped pods, through which breaks a pointed tube of a dull red shade. Each 15c.

BOUARDIA.—*Alfred Neuner.*—This magnificent and showy plant is the ideal Bouvardia. It is an erect, strong grower, making charming shaped plants, producing great clusters of the most beautiful waxy, double, pure white flowers, resembling bunches of miniature tuberoses. It blooms well during the summer, beginning early in July, but its greatest value is for winter flowering. Each 20c.

CHENILLE PLANT.—*(Acalypha Sanderae.)*—A most striking ornamental plant of branching habit, healthy foliage and the flower spikes which appear in pairs from the axis of the leaves, grow from two to three feet in length. They are of a bright crimson color, drooping and mixing among the green foliage with charming effect. Desirable both for outdoor bedding and in house for winter, Ea. 15c.



CHENILLE PLANT.

BEGONIA.—*Vernon.*—Of unusual value for bedding, as it will stand the hot summer sun. Flowers are of pink, blush and brilliant red color; the foliage is very abundant, deep and glossy, and of a fine green color, spotted and margined with bronze purple. Each 10c, doz. 90c.

Tuberous Rooted.—Giant flowers, tuberous rooted begonias have been brought to wonderful perfection. Flowers sometimes grow six inches in diameter, borne upright on stiff stems and of richest colors, embracing every shade—white rose, pink, red, scarlet, crimson, maroon, lake, yellow and orange. Each 10c, doz. \$1.00.

Double Tuberous Rooted.—Very handsome. Each 15c, doz. \$1.50.

McBethii.—Foliage fine fern-like. Panicles of pure white flowers produced in the greatest profusion. It is the most persistent bloomer of the begonias. Each 10c.

Profusion.—A new French variety of vigorous growth. Flowers are bright pink, produced evenly all over the plant. Each 15c.

Fournaise.—Flowers produced in large drooping panicles, bright red. Each 10c.

Alba Picta.—Leaves of a glossy green color, thickly spotted with silvery white. Flowers white. Ea. 15c.



TUBEROUS ROOTED BEGONIA.



REX BEGONIA.



ARAUCARIA.

CUPHEA.—*Platycnema.*—This is the old-fashioned Cigar Plant with narrow tubular scarlet flowers tipped with purple; always in bloom. Each 10c.

BUTTERCUP.—*Double.*—A dainty little novelty. The flower is from one-half to three-fourths inches in diameter, perfectly double and of a peculiarly shining bright yellow color giving it an appearance as though varnished, and blossoms are produced in the greatest profusion. The ladies as well as children go into ecstasies over them. Each 10c, doz. \$1.00.

COCOEA Scandens.—A well known summer climber. Foliage green; large, purple, bell-shaped flowers. Each 15c.

GRATAEGUS.—*Double Red Flowered Hawthorn.*—Small ornamental tree of great beauty; finest of lawn ornaments; flowers bright red, deliciously fragrant. Each 35c.



ALFRED NEUNER BOUARDIA.

CARNATIONS.

Fragrant flowers are always sought after, and the rich, spicy odor of the carnation, combined with its various colors, leaves little to be desired. Easily grown and bloom freely.

Enchantress.—A charming variety of immense size and delightful blush pink color. Illustrated on our floral plate. See page 73. Each 15c.

Prosperity.—Unquestionably the largest carnation of any color ever offered, the flowers measuring 4 inches in diameter and have a delightful clove fragrance. The color is a pure white, overlaid with shadings of soft pink. Each 15c.

McKinley.—A large, handsome flower of clear, beautiful shining pink, very showy and attractive, either for wearing or for vases. Bloom early and constantly and the flowers are of fine spicy fragrance. Each 15c.

Roosevelt.—One of the richest, deep velvety crimson flowers ever sent out. The color is so deep that it shades into maroon, and is of such good shape and color that it is sure to be popular. Each 15c.

Gold Standard, or Golden Beauty.—One of the best yellow carnations ever sent out. Flowers extra large, three inches in diameter, and double to the center. Color is a beautiful clear lemon yellow, slightly tipped with pink. Very fragrant. Each 15c.

Improved American Flag.—A very strong, robust growth, a profuse bloomer. The large showy flowers are pure white, striped with bright scarlet. Each 10c.

Estelle.—This is considered the finest of all bright scarlet varieties, of intensely bright shade, showing no tendency to fade. Nearly every shoot sends up a flower, and stems are long, holding the blooms upright. Each 10c.

Mrs. Thomas W. Lawson.—The immense pink variety for which \$30,000.00 was paid by Mr. Lawson, the highest price ever paid for a plant novelties in this country. Flowers 3½ inches in diameter; color beautiful deep pink. Each 10c.

Red Lawson.—Quite similar to above but of a bright pleasing scarlet. An ideal variety. Each 15c.

White Lawson.—Like the original Mrs. Lawson in size and manner of growth but pure white. Each 15c.

Cardinal.—A medium to large sized bright scarlet, claimed to be best of its color. Each 15c.

Harlowarden.—Largest and best bright dazzling crimson. A free bloomer with long stems. Each 15c.

Lady Bountiful.—A very desirable sort for either garden or pot culture. Has large pure white delightfully fragrant flowers. Each 10c.

Guardian Angel.—Bright, clear pink color, nicely fringed; large size and very fragrant. Each 10c.

Jubilee.—Color intense scarlet of richest shade. One of the largest among reds; flowers full and well built; free continuous bloomer. Each 10c.

Mrs. M. A. Patten.—A beautiful new striped carnation. Ground color white with pink stripes. A very attractive flower. Large size with long stem. Sweet, spicy odor, habit ideal; has a grand constitution and makes a fine plant in the field. Each 15c.

Queen Louise.—Flower pure white, fragrant and of large size. Center well filled, rounding the flower to a most pleasing form. The color is very pure, stem exceptionally long. Each 10c.

Vesper.—Pure white. Blooms three inches and over in diameter; beautifully fringed; very fragrant; exceedingly free blooming; early and continuous; very healthy and vigorous; stems stiff. Each 15c.

Gov. Wolcott.—Taken as a standard of excellence for white carnations. Flowers large, stems long and stout and habit of growth perfect. Each 10c.

MCKINLEY DAY COLLECTION.

One plant each of McKinley, Roosevelt, Prosperity, Gold Standard and Improved American Flag for only 50c.



MC KINLEY CARNATION.

CHRYSANTHEMUMS.

These are now, and deservedly, the most fashionable of all autumn flowers. All these varieties are excellent for pot culture, and the best of their class.

Celtoni.—A remarkably fine deep yellow flower of elegant form. The petals are narrow and curved as shown in our illustration. Blooms last of October. Each 15c.

W. I. Duckham.—Very large, Japanese incurved of a most pleasing pink. Medium early. Each 10c.

October Sunshine.—A bright handsome, golden; yellow variety, producing enormous sized ball-shaped flowers very early in the season. Each 20c.

Willow Brook.—Early; profuse bloomer, pure white. Each 10c.

Mrs. Perrin.—Wonderfully clear, bright pink, the brightest shade of pink yet produced in Chrysanthemums; globular, incurved form with satiny finish. Each 15c.

Majestic Bonaparte.—Bright, clear yellow. Produces flowers 6 to 7 inches across on straight, stiff stems of good length. An ideal sort. Each 10c.

Geo. S. Kolb.—Very pretty early white sort; dwarf, with nice, stems. Fine for sprays. Each 10c.

Col. Appleton.—If you only have one yellow 'mum, let it be Appleton. It is a perfect model. Dwarf, stiff stemmed, elegant in foliage, enormous in bloom, finely incurved and golden yellow. Perfectly healthy. Each 15c.

Glory of the Pacific.—The earliest flowering light pink variety, being ready to cut October 8th. Has stiff, strong stem, excellent foliage. Dwarf and fine for pot culture. Each 10c.

Mrs. Henry Robinson.—A perfect form of exceptional merit, large and well finished; medium early white, blooming with us October 5th. Each 10c.

Golden Wedding.—Of a rich golden yellow color; intensely dazzling; flowers 10 to 12 inches in diameter, petals broad and long, double to center. Ea. 10c.

Silver Wedding.—Very much like the above, but of pure silvery white. A grand novelty. Each 15c.

Christmas Eve.—The latest of all white Chrysanthemums. Flowers of immense size borne on long stems, and very desirable both as a pot plant and for cutting, as they are good keepers. Each 15c.

Timothy Eaton.—A globular Japanese incurved variety of perfect form and growth. Color or pure white when fully developed. A prize winner at all shows last fall. Each 15c.

Geo. W. Childs.—A popular variety for pot culture. Color crimson. Each 10c.

White Ostrich Plume.—An exquisitely beautiful variety with grand pure white flowers of globular form; petals broad and lasting and thickly covered with fine downy hairs so much admired. Strong and vigorous plant. Each 15c.

Louis Boehmer.—Like above, but of a deep pink color; very fine. Each 15c.

HARDY POMPON CHRYSANTHEMUMS.

These small 'Mums are popular again; perfectly hardy; give showers of bloom after most other flowers are gone.

Attila.—Light apricot, tinted rose.

Delicatissima.—Lower petals pale pink, center deep wine.

Little Bob.—Small red flowers, very free.

Snowdrops.—Pure white.

Golden Pheasant.—Bright yellow. Any of above each 10c; dozen 75c.



WHITE OSTRICH PLUME.



CHELTONI CHRYSANTHEMUM.



CLERODENDRON.

CHINESE LANTERN PLANT.—*or Giant Scarlet Ground Cherry.*—A remarkable novelty of sturdy upright growth and is loaded with bloom-like husks 3 to 3 1/2 inches in diameter. These husks are at first light green gradually turning to bright yellow and then to intense orange scarlet. Fruit of excellent flavor either fresh for dessert or for preserving. It is a perennial, the roots living over winter in the ground. Strong plants 10c each, 3 for 25c, dozen 75c.

CAREX.—*Japonica Variegata.*—An ornamental Japanese grass which is extremely useful as a house plant, of easy growth, standing the dry atmosphere of heated rooms with impunity, and at the same time hardy if placed out in the garden. Leaves striped with white. Each 15c.

DOUBLE DAISY.—Very double; pure white and pink flowers. Blooms freely and makes a fine plant for growing in beds alone or with pansies. Each 10c, dozen 75c.

FORGET-ME-NOT.—Everyone loves the charming little Forget-me-not, and it seems strange that it is not more often seen in our Gardens. They are easily grown and will bloom freely and continue to thrive and bloom year after year. Each 10c, dozen 75c.

COLEUS.—Whoever has been in our large city parks will never forget the ornamental bushes, curving and quaint designs and mingling arabesques of all colors—which look like vari-colored rugs spread at short intervals on the smooth lawn. These are formed of Coleus. The following include the very best varieties.

Burning Bush.—Light red with dark crimson center,

Dewey.—A better bedder, a brighter color than Verschaffeltii; color is bright crimson, edged maroon.

Cuba Libre.—A bright crimson, shading to maroon with finely scalloped edges of pea green.

Blackbird.—Leaves and stem almost jet black; fringed edges, Brilliance.—Has enormous leaves like a Rex Begonia; yellow, crimson pink and green; coloring very fine.

Anna Pfister.—Pointed leaves 6-8 in. long with deep scalloped edges. Color bright golden yellow intermingled with green and crimson. Of dwarf and compact, but spreading habit.

John Pfister.—Like above in dwarf habit, but of bright crimson color edged with gold.

Golden Bedder.—Color yellow; this is the best yellow coleus for bedding; deep gold in the sun.

Mrs. F. Sander.—Large, creamy white center bordered with green, blottedched crimson and purple; fine for pots.

Verschaffeltii.—The oldest, still one of the best; dark rich velvety crimson.

Crimson Bedder.—Purplish crimson.

Sunset.—Center of leaf brownish purple shading to crimson edge yellow.

All of above varieties of Coleus each 10 cents; dozen 75c. Mixed varieties suitable for bedding, unnamed, 60 cents per dozen, \$4.00 per 100 postpaid.

Make Home Pleasant In this age of the world there are so many attractions to cause the children away that parents must make home pleasant in order to hold them.

HOME MAKER'S COLLECTION OF FLOWER SEEDS.—One packet each of 12 varieties for 25 cents.

HOME MAKER'S COLLECTION OF FLOWER PLANTS.—Consists of 12 choice flowering and ornamental plants, well suited to make an attractive, showy bed. Sent postpaid for 50 cents.

HOME MAKER'S WINDOW GARDEN.—Consists of 10 choice flowering plants suitable for growing in the house. A fine assortment and all different. Price 50 cents postpaid.

CLERODENDRON.—*Balfouri.*—A unique and beautiful climbing plant. It presents a splendid combination of colors, having bright scarlet flowers with creamy white calyx; a profuse bloomer, young plants 2-3 foot high often bearing several clusters. A strong and rapid grower, for house or garden planting. Each 15c.

CYCLAMEN.—*Giant Flowered.*—One of the most beautiful and decorative of all pot plants. In winter and spring blooming. foliage is broad, massive and graceful, of dark green; deeply variegated with silver and rose. The immense, fairy-like flowers are borne on long stems and produced in profusion for several months and are quite fragrant. Assorted colors. Each 15c, extra large size 25c.

GRAPE MYRTLE.—A very pretty shrub which is hardy in the south but is usually grown in large pots or tubs in this latitude so that it can be taken into a cellar in the winter. Produces a profusion of delicate soft pink flowers. Each 15c.

CHRISTMAS PEPPER.—Surprisingly pretty house plant. Makes a round compact bush twelve to fifteen inches in height with dark olive green leaves and covered with curious little heart-shaped fruits of various bright colors—purple, white, yellow, orange and red on the same bush. Each 15c.

CACTUS.—To some people these curious plants are more interesting and attractive than all others, and we therefore offer them here. We have many choice varieties at 10c to 25c each. A collection of 6 varieties for \$1.00 postpaid.

Night Blooming Cereus.—This gorgeous cactus bears abundant pure white blossoms measuring twelve inches across. A plant loaded with these flowers is a sight never to be forgotten. Blooms at night and is very fragrant. Better order one and call your neighbors in to see it bloom. Each 15c, large 35c.



CYCLAMEN.

ELECTRIC LIGHT PLANT.—A very showy plant belonging to the Cleome family which blooms constantly from July until killing frosts in October or November. Is very desirable either for specimen plants or bedding. Grows four to six feet high. Each 10c; dozen 1.00.

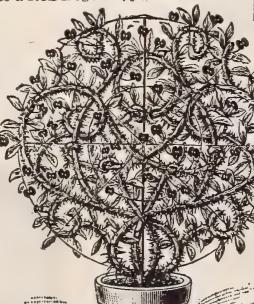
ECHEVERIA.—A neat little succulent plant, commonly called "Old Hen and Chickens." Used largely in parks and cemeteries for ribbon beds and borders. Each 10c, dozen 1.00.

FARFUGIUM.—*Grande.*—A beautiful ornamental foliage plant, either for planting in open border, or in shaded position: leaves 4 to 8 inches in diameter; are of a thick, leathery texture, dark green color, with bright yellow spots. Each 15c.

CENTAUREA.—*Gymnocarpa.*—*Dusty Miller.*—A dwarf, silvery foliage plant used largely for ribbon beds or borders. Each 10c, dozen 75c.

FEVERFEW.—*Ideal.*—Originated on our place and is far superior to the older sorts. It bears large clusters of unusually large flowers, which are pure snowy white without any yellow shading or center. An excellent plant for bedding, producing a succession of bloom, and very desirable for cemeteries. Each 10c, dozen 75c.

CROWN OF THORNS.—*(Euphorbia.)*—Very curious and remarkable window plant. Strong-growing creeper or climbing plant that can be trained over any desired form, and when full of its large, bright scarlet flowers, which almost cover the deep, glossy green leaves, it is an object of rare and striking beauty. Easily grown. Grows wild in Judea, and it is claimed that it was from this plant that the crown of thorns was made which was worn by our Saviour and is therefore of special interest. Each 15c.



CROWN OF THORNS.



NEW VARIETIES OF COLEUS.

TRY A FANCY CARPET BED OF COLEUS ON YOUR LAWN THIS YEAR.



BOSTON FERN.

IVIES.—**English.**—An old favorite vine, showy the year round if properly grown. Hardy in the south but will not stand our Iowa winters. Each 10c; large 25c.

Variegated English.—Foliation very prettily marked with pure white on a dark green ground. Handsome as a pot plant in the window or for trailing from the edges of boxes or baskets. Each 15c.

German or Parlor.—A popular vine for hanging baskets and window boxes. Each 10c.

FICUS, Elastica or Rubber Tree.—During the past few years there has sprung up an immense demand for rubber plants and they are highly valued everywhere for their tropical appearance. Leaves are very large, thick and leathery and of a beautiful shining green color. It endures the dry air of living rooms remarkably well. Everybody likes it. They are difficult to propagate and will always remain high in price. Each 50c; larger size \$1.00 and \$1.50 each.

FUCHSIAS.—These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens.

White Phenomenal.—The grandest double white variety in existence and one which should be in every home. Each 15c.

Phenomenal.—Darker than Jupiter, with enormous flowers, a single one measuring 3 in. across; sepals bright scarlet, rich purple corolla, very double, flaked with red. Each 10c.

Monarch.—This is by far the largest of the single varieties. Its immense blooms are a very dark purple color. Each 10c.

Black Prince.—Tube and sepals bright carmine, sepals large and broad with pale green tips; large, open, pale pink corolla. Easily grown in tree form. We once had a plant 7 feet high, loaded with two thousand flowers at once. Each 10c.

Storm King.—Large double flowers; sepals glowing scarlet crimson, corolla delicate, waxy white, elegantly penciled with deep bright crimson. Each 10c.

Jupiter.—A new giant flowered variety from France. The flowers are of really mammoth size with very rich violet purple corolla. Tube and sepals bright crimson. Plant is a strong, hardy, free grower. Each 15c.

Trailing Queen.—Of beautiful trailing habit; fine for hanging baskets. Bright rich scarlet and purple flowers. Each 15c.

Speciosa.—Sepals blush, corolla carmine. Best winter bloomer. Each 10c.

Rose of Castile.—The best single summer blooming fuchsia. Blush pink with violet corolla. Each 10c.

Elm City.—A popular variety and one of the best; tube and sepals bright coral red; large double purple corolla; blooms all year. Ea. 10c.

HYDRANGEA.—**Otaska.**—A Japanese variety used extensively for Easter decorations. Produces enormous trusses of intense pink flowers. Makes excellent specimen plants for the porch or lawn. Blooms the entire season. Each 15c.

Thomas Hogg.—The immense trusses of flowers are at first slightly tinged with green, changing to the purest white. Each 15c.

Paniculata Grandiflora.—See description on page 84. Each 15c; large 35c.

GREVILLEA, or Silk Oak.—One of the quickest growers of any of the ornamental house plants. It is easy to manage, grows rapidly and is pretty in all stages of growth. With its long drooping, silky foliage, it reminds one of a palm or fern. The young growths are of a light bronze color, the tips being covered with a soft down closely resembling raw silk. Each 15c.



GREVILLEA OR SILK OAK.

YOU WILL BE PLEASED WITH OUR INTERNATIONAL COLLECTION OF ROSES SHOWN ON COVER PAGE.

FERNS.—We have many choice varieties of these delicate appearing, attractive plants at prices from 10c to \$1.00 each. Collection of eight varieties for \$1.00.

Boston Fern.—(*Improved Sword Fern.*)—This is a wonderfully healthy, rapid growing and graceful house plant which has been in great demand everywhere, and many people buy it in preference to the finest Palms or Rubber Plants. Thrives in all rooms, gas or furnace heat do not seem to injure it. It is one of the most beautiful and useful of house plants, being of easy culture and its sword-like fronds, on large specimens, attain a length of 5 to 6 feet, produced in a bewildering mass, arching, curving and interlacing in every conceivable direction. Each 15c; large plants 25c and 50c.

Scotti.—Of more dwarf growth than the Boston and makes a handsome pot plant. A rapid grower and very hardy. Each 20c.

Anna Foster Fern.—A beautiful new variety of the Boston Fern having broad fronds and the petals are finely cut or divided into tiny leaflets, thus giving the plant a most beautiful and graceful effect. Each 20c.

Maiden Hair Fern.—Very popular. The most graceful and useful of all cut flower work. Each 15c.



FICUS, OR RUBBER TREE.

Small Ferns.—A nice assortment for ferneries or fern pans. Each 10c; 6 for 50c, doz. 85c.

Moss Fern.—(*Selaginella or Lycopodium.*)—Has delicate lace-like foliage. Fine for fern dishes and always beautiful. Each 10c.

GENISTA, or Shower of Gold.—A most desirable plant. The drooping branches are covered with delicate sage green foliage and every twig is tipped with a long raceme of exquisite pea-shaped blossoms of a pure canary color, almost hiding the foliage. Each 10c.

ICE PLANT.—Interesting from its being covered with ice-like crystals. Flowers very pretty. Each 10c.

HIBISCUS.—A large, shrub-like woody plant bearing immense double or single red flowers. Each 15c.

Peachblow.—One of the finest free flowering plants for either pot culture or the open ground. Flowers very large, double and of a charming rich clear pink with deep crimson center. Ea. 15c.

HOYA.—(*Carnosa.*)—The well known house climber, with thick fleshy leaves and curious waxy flowers. Each 25c.

KOCHIA SCOPARIA.—Beautiful feathered appearing plants for hedges or lawn specimens. By midsummer it attains a height of about 3 feet, and is of light green color; on the approach of autumn the whole plant becomes a deep red; a splendid plant for forming a hedge for the summer. Each 10c; dozen 75c.



JUPITER FUCHSIA.

DOUBLE GERANIUMS.

Geraniums are most easily grown and satisfactory of all flower plants and only the rose can vie with them in popularity. We have about 200 varieties growing at our place and test a large number of sorts every year. After careful comparison we have selected the following and those described in the Novelty List as the best;

OLD GLORY.—This grand novelty which we introduced, has immense trusses, sometimes six inches in diameter, of magnificent, large, semi-double flowers which cover it so as to almost hide the foliage. The color is a clear, bright, rosy pink, the upper petals are spotted with pure white which adds to its brilliancy. During the hottest, driest midsummer weather "Old Glory" was as fresh and sweet as if just watered by an April shower. Each 15c, doz. \$1.40.

JEAN VIVIEN.—Very large semi-double blooms borne in large trusses well above the foliage; individual floret large, color bright rosy pink with distinct white blotch in the center. Each 15c.

BRUANTI.—One of the finest bedding sorts. As will be seen by illustration the leaves are beautifully zoned and therefore showy at all times. Flowers are double and semi-double and are of a bright vermilion red, trusses large, often eight inches in diameter. Each 10c, doz. \$1.00.

VERA VEND.—Truss and floret are both of good size; semi-double and very open with large petals, the borders of which are rosy orange, striped with white and delicately marbled and striped with orange. Each 10c.

S. A. NUTT.—The best crimson bedding variety. This, the finest of dark crimson geraniums, has now taken the lead as a bedding variety, being used in the largest parks and public grounds of the country in preference to all others. Its dense, compact growth, profuse blooming qualities and sure proof constitution combined give it the prominence as a bedding it has attained. As a pot plant it cannot be excelled. We sell thousands for borders and large beds. Each 10c, doz. 85c; by express, not prepaid, 50 for \$2.75; 100 for \$5.00. Large plants from four inch pots by express, per doz. \$1.50.

J. RICAUD.—A very fine, free flowering, double variety with enormous sized trusses; flowers purplish crimson, center distinctly marked white. Each 10c.

DOUBLE NEW LIFE.—A great novelty and it is a sensational delight in every way. The outer petals are large and of a brilliant red. In the center of these appear another semi-double floret, pure white in color, effecting a very charming contrast, difficult to realize unless seen, and having the appearance of being produced artificially. This very novel geranium was lately sent out in England at a fabulous price. Each 15c, doz. \$1.50.

BLUE BEAUTY.—An European variety of a new color, heretofore unknown to geraniums, being of a most beautiful violet or purplish crimson with a blue sheen over the surface. The flower is double and the three upper outside petals have a spot of clear vermilion near the base. The blue tint shows better after flower is fully out. Each 15c.

GOLDEN DAWN.—The nearest yellow of any geranium, rich orange scarlet. Each 15c.

MARVEL.—Rich crimson scarlet, large flowers and truss; free flowering; fine bedding sort. Each 10c.

CONTRASTE.—Flowers and trusses very large; lower petals orange and carmine; upper petals clear orange. Each 15c.



WM. LANGGUTH GERANIUM.



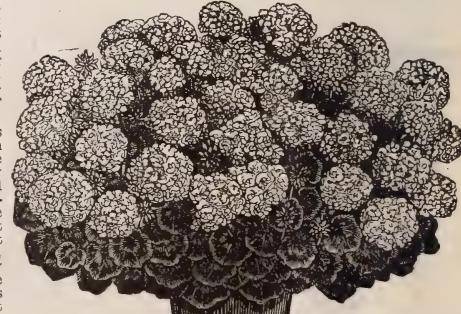
DOUBLE NEW LIFE.

PEPPERMINT.—A rare variety with thick, "hairy" leaves and refreshing peppermint fragrance. Each 15c.

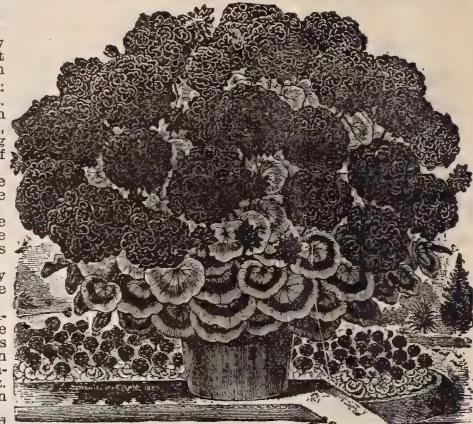
APPLE.—A great favorite; has strong apple scent. Each 15c.

Any of the above sweet scented varieties 10 cents each, \$1.00 per dozen, except where noted.

GLORY DE FRANCE.—A large round flowered double geranium, of waxy appearance, white with carmine center, petals edged with carmine. Each 15c.



LA FAVORITE.



BRUANTI.

SWEET SCENTED GERANIUMS.

LADY PLYMOUTH.—A beautiful variegated variety of the Rose Geranium. Propagates slowly and the demand usually exceeds the supply. Each 20c.

NUTMEG.—Small leaves with nutmeg perfume. **OAK LEAVED.**—Beautiful foliage resembling oak leaves, black center with green border.

ROSE SCENTED.—Two kinds, broad leaf and cut leaf. This is the most popular of scented geraniums.

SKELETON LEAVED.—Leaves very finely cut; rose fragrance.

BALM.—Has delicious balm fragrance.

LEMON.—A nice little plant of bushy growth with delightful lemon fragrance to the leaves.

FERN LEAVED.—A most delicate cut-leaved geranium of delicate fragrance; very free growing. The leaves are valuable for mixing in cut flowers.

MRS. TAYLOR.—A scarlet-leaved, rose geranium. The blooms resemble the pelargonium, but are smaller and of bright scarlet color. Blooms constantly.

ALPINE BEAUTY.—An exquisitely fine new double white. Each 15c.

IMPROVED LA FAVORITE.—What S. A. Nutt. among dark crimson. La Favorite is among whites; without doubt the best double white geranium ever offered. It is a strong grower, a profuse bloomer. Each 10c, doz. 85c; by express, not prepaid, 50 for \$2.75; 100 for \$5.00.

WM. LANGGUTH.—This new silver leaved geranium is a beautiful variety. The plant is of short, stocky growth, and the beautiful deep green leaves are bordered with a broad, pure snow white band, so that it is handsome even when not in bloom. It is, however, free flowering for a fancy foliage variety, and the flowers are double. Clusters are extra large and a bright red color, showing magnificently against the white foliage. Each 20c.

A BEAUTIFUL SET OF TEN FANCY LEAVED GERANIUMS FOR \$1.00 POSTPAID.

BRILLIANT COLLECTION.

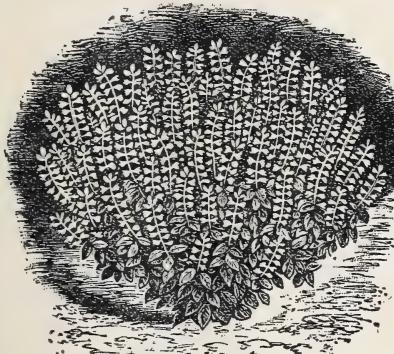
Last year this collection proved to be one of the most popular offers in our catalogue and we have therefore decided to repeat it, but have improved it by putting in a grand new Gladiolus never before offered in any catalogue, in place of the Hibiscus. This now makes a collection of five such choice showy novelties it is sure to prove satisfactory. To meet the great demand which is sure to come, we have propagated a large number of each of these varieties and offer them at the very low price of 50 cents for the set of five.

ENCHANTRESS CARNATION.

A most charming new variety which cannot help attracting attention everywhere as it far surpasses all other varieties. The cut blooms sold readily during the past season at double the price of other choice sorts. Color an exquisite shade of delicate bluish pink, deepening in color toward the center, delicately perfumed, of faultless shape and immense size measuring four to five inches in diameter when well grown and the stems are unusually long. Each 15c, doz. \$1.25.

MRS. C. N. PAGE SALVIA.

This variety introduced by us two years ago has proved to be the finest sort ever offered. It is of dwarf growth, seldom more than 15 inches high, and is very compact; literally covered with long spikes of bright scarlet flowers. Begins blooming in July three weeks before any other variety of Salvia and blooms constantly until October. There is no variety which produces half as many flowers to the plant, and they are so thick that when the plant is at its best a person standing over it can scarcely discern the leaves, it being one solid mass of bloom of fiery brightness. As Salvias are now becoming one of the most popular of bedding plants, taking the place of scarlet geraniums, we predict a great run for this new sort. Heretofore the only objection to Salvias has been their late blooming but that is now overcome in this new sort. Each 15c, doz. \$1.35.



MRS. C. N. PAGE SALVIA.



BABY RAMBLER ROSE.

BABY RAMBLER ROSE.

Decidedly the best rose novelty of the season and the very best bedding rose in existence. It originated in Orleans, France, from a cross of the Crimson Rambler and a Polyanthus variety, and it may be called a perpetual blooming dwarf Crimson Rambler. The bush is vigorous, absolutely hardy, about 27 inches in height, and on our place every plant was in bloom every day of the summer and fall. Sometimes as high as 120 flowers have been counted on a single panicle. Color bright glowing scarlet. Has won first-class prizes at many of the French and English flower shows. It was never offered in America until a year ago last spring and the plants went like wild fire. Every flower lover just must have it. Nice well grown plants each 20c; per doz. \$1.75. Large two-year-old plants each 50c.

INDEPENDENCE GLADIOLUS.

A Novelty of 1908.—This extra choice new variety attracted universal attention at the Iowa State Fair last fall on account of its extra large size, very wide open flowers and handsome color, which is a clear salmon rose with dark, velvety crimson blotch on lower petals. The color is also enhanced with a vivid violet shading. Each color is clear and distinct and it has no tinge of yellow in the throat. Plant is a strong, vigorous grower, nearly three feet high and holds the large spike of bloom up well. The color varies somewhat as flowers grow older. Each 15c; doz. \$1.50.

LEMON LILY.

One of the handsomest flowers for garden culture. It is not a true lily as the bulb is of different shape, but the flower is very much like the *Lilium Speciosum* in form and about 3 inches in diameter. The color is entirely different from all others being a clear lemon yellow of very bright pleasing appearance. They have also a most delightful lemon fragrance. There seems to be almost no limit to amount of bloom produced. Each 15c; doz. \$1.50.

BRILLIANT COLLECTION

One Plant Each of Above Five Varieties For 50 cents.

DAHLIAS.

There is no flower more showy and satisfactory than the Dahlia and they are so easily grown that every one may have a grand display at but little expense. We grow acres of them and our fields are a mass of brilliant colors throughout the late summer and autumn. Out of about 175 varieties which we had growing this year there were none more attractive than the three choice sorts illustrated on the reverse side of this sheet. This plate was painted from nature and does not really do them justice. They must be seen to be appreciated. Early in the season we send field grown roots but later strong, vigorous pot grown plants will be sent. By our method of propagating the plants usually produce stronger bushes

and more flowers than the dormant roots, and are more sure to grow and bloom earlier. They also produce better shaped roots in the fall for keeping over.

SILVIA.—One of the most valuable decorative Dahlias ever produced. Flowers from 4 to 6 inches in diameter, of fine form and full to the center. Petals of great substance, giving it a keeping quality not possessed by any other variety. An early and profuse bloomer. The stems are long, holding the flower well above the foliage, and it is a most excellent variety for cutting. Each 25c; doz. \$2.50.

GRAND DUKE ALEXIS.—Without exception the most unique and grandest Dahlia ever sent out. Astonished every one who saw it growing on our place last summer. Flowers are of largest size known in dahlias, being 18 inches in circumference, and of most beautiful form, petals being rolled up so that they overlap each other. Color pure snow white, slightly tinged with delicate pink at center. No other variety equal to it in size or beauty. Each 25c; 3 for 65c.

MAID OF KENT.—We are free to call this the most beautiful of all decorative dahlias. It is the richest crimson velvet color imaginable and about half of the petals are tipped with a large spot of white, thus adding greatly to its brilliancy. Flowers are very large averaging 12 to 15 inches in circumference. No matter what other varieties you grow you should have the Maid of Kent. Frequently the flowers are solid scarlet but most of them are variegated. Each 20c; doz. \$2.00.

SPECIAL: One strong, well grown plant of each of the above three exquisite dahlias sent postpaid for only 40c. Better order early and we will delay shipping until time for planting out, if preferred.

NOTICE.—See List of Other Varieties in Our Catalogue.

CREEPING PHLOX.

The Creeping Phloxes have a charming beauty all their own, and, for general usefulness, are not to be surpassed by any flower that grows. They will thrive in any situation, except a very shady one; and in any soil, no matter how poor, unless it is very wet. They are absolutely hardy without protection. They have neat, evergreen foliage, and when in bloom, which is during the month of May, their multitude of lovely pink, white or blue flowers cover everything beneath as completely as a carpet covers a floor. They bloom again in September, but not so freely. They do well on good soil, but are also desirable for covering rocky hillsides, sandy slopes, bare ground too poor to grow anything else, and for edging borders of hardy plants or shrubs, they are unsurpassed. Botanically known as *Phlox Sublata*. We can furnish three colors: pure white, deep pink and light blue. Each 10c, doz. 75c, per 100 \$5.00.



GRAND DUKE ALEXIS DAHLIA.



Brilliant Collection
1- Enchantress Carnation.
2- Mrs. C.N. Page, Salvia.
3- Independence Gladioli.
4- Lemon Lily.
5- Baby Rambler Rose.
5 PLANTS
FOR 50¢

3

6

5

7

8

9

Dahlias.
6- Sylvia.
7- Grand Duke Alexis.
8- Maid of Kent.
THREE CHOICE
VARIETIES FOR
40¢.

SINGLE GERANIUMS.

It is usually supposed that the single varieties bloom more freely than the double.

HALL CAINE.—Fine large trusses produced in great profusion, held high above the foliage; individual florets immense, $2\frac{1}{2}$ to 3 inches in diameter; color bright cherry red; the habit is dwarf and compact; exceptionally valuable as a pot plant for exhibition purposes. Each 15c.

FLEUR POITEVINE.—Extra large single flowers, rosy carmine, marked and striped with pure white; center orange scarlet. Each 10c.

WONDER.—One of the finest French Novelties and a wonderful bloomer. Flowers are most intense dazzling scarlet and are borne in great trusses of enormous size, measuring from 18 to 20 inches in circumference, with single florets measuring 7 inches in circumference. Each 10c.

CARMEN SYLVA.—The grandest single pure white geranium in existence. It is of vigorous, healthy growth and blooms profusely, the plant being loaded with immense trusses of bloom; do not turn pink even in severe weather. Each 15c.

COLUMBIA.—Brilliant scarlet, with large, strong trusses; it may be classed as one of the finest bloomers in cultivation. Each 10c.

RENOMMIE LYONAISE.—Center of florets white, surrounded by a rose and broad scarlet border, giving a very brilliant effect. Each 15c.

SOUVENIR DE MIRANDE.—Handsomest and most satisfactory of all. Nicely formed, round florets, upper petals cream white, with distinct salmon rose border; lower petals salmon rose streaked with pure white. Free flowering, producing magnificent blooms. Ea. 10c.

CHAMPION.—Has elegant large flower, of carmine crimson. Each 10c.

ALICE OF VINCENNES.—A charming novelty which has a border of intense scarlet forming a band around the body color of rosy pink, heavily veined with scarlet; center white. Each 15c.

ANDREW LANG.—Glowing scarlet, with white blotch on upper petals, center of flower surrounded by aureole of rich carmine, trusses immense, and in the greatest profusion. Ea. 15c.

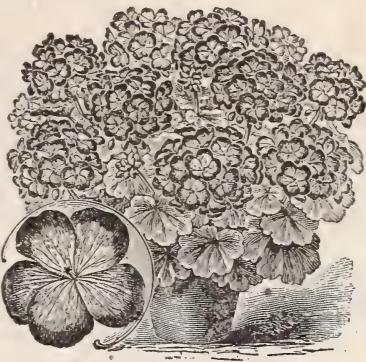
BLACK PRINCE.—Very dark, rich velvety crimson. The nearest black known in single geraniums. Each 10c.

ELECTRIC.—Very large flower of most brilliant scarlet with distinct white eye. Each 10c.

MARQUISE DE CASTELLAN.—Flowers are very large, perfect in form and borne in large trusses. The color varies from a brilliant cerise to a bright cherry red, with brilliant carmine shadings. Each 15c.

AUREOLE.—(*Mad. Bruanti.*)—A fancy flowered sort of remarkable colors. Plant is loaded with blooms and each floret is large, center being white, beautifully veined with carmine lake, radiating into a handsome aureole, each petal being bordered with bright solferino. Fine pot plant and constant bloomer. Each 15c.

MRS. E. G. HILL.—A most distinct and pleasing shade of salmon with light shading at the center. Each 10c, doz. \$1.00.



AUREOLE.

IVY LEAVED GERANIUMS.

EDEN MARCHI.—Handsomest of the ivy-leaved sorts. Has enormous sized flowers; color beautiful salmon rose, slightly shaded violet. It is an improvement on the Charles Turner. It is a strong, free grower, producing flowers at almost every joint which are full double and perfect in form. Each 15c.

CHARLES TURNER.—Very double, and is without doubt one of the handsomest ivy geraniums ever introduced; florets two and a half inches across. The color is a deep, bright pink, approaching scarlet in color. Each 10c.

LEOPARD.—A new orchid flowered ivy-leaved variety. The flower is large, 2 in. in diameter, semi-double, and borne in medium sized trusses. The color is remarkable, fully as rich and distinct as an orchid. The ground is a clear, lilac pink, the upper petals being heavily blotched wth deep crimson and usually marked with distinct maroon dots. This will make one of the most distinct basket plants in cultivation. It is a strong, vigorous grower and blooms all winter. Each 20c.

JEAN DE ARC.—Very large and finest white in existence. Perfectly double, white as snow; flowers literally cover the plant when in full bloom. Each 10c.

P. CECZY.—A hybrid between the Zonal and Ivy. Color soft, bright scarlet with veining of maroon. Each 10c.

GARDEN'S GLORY.—Fine, bright scarlet, large bold, full flowers; constant bloomers; one of the very best. Each 10c.

SET OF SIX IVY-LEAVED SORTS
FOR SIXTY CENTS.

SOUVENIR DE MIRANDE.



FANCY LEAVED GERANIUMS.

MRS. POLLOCK.—Magnificent. Green leaf disc, overlaid by beautiful bronze red, bordered with bright crimson, outwardly margined with golden yellow. Each 15c.

MARSHALL MCMAHON.—Golden yellow, marked with a deep chocolate zone. A splendid bedding variety. Each 15c.

MAD SALLEROI.—A very compact variety of silver leaf geranium. Fine for massing or bordering; thrifty, leaves green, edged with white. Has a peculiar manner of growth which renders it of special value for edgings or ribbon work. Each 10c; dozen 85c.

CRYSTAL PALACE GEM.—Yellow, with green disc; fine bedder. Each 10c.

DISTINCTION.—Round green leaves, with clear black circle. Each 10c.

MOUNTAIN OF SNOW.—Finest of this class for ribbon lines or massing; center of leaf bright green, margin broadly marked silver white, scarlet flowers. Each 10c.

HAPPY THOUGHT.—A tri-colored geranium with dark green foliage; creamy white center with dark band about the light zone; flowers bright scarlet. Each 10c.

GOLDEN CIRCLE.—Green foliage, golden yellow edging, flower scarlet. Each 10c.

MRS. PARKER.—A grand new silver leaved variety with double pink flowers. A unique novelty. Each 20c.



IVY GERANIUM—EDEN MARCHI. (One half natural size)



JASMINE.—Maid of Orleans.—A beautiful plant of easy culture, fine grower, good bloomer, very fragrant and of elegant waxy white appearance. Each 10c.

Night Blooming.—World famous variety, producing pure white fragrant flowers incessantly. Each 15c.

Cape Jasmine.—(*Gardenia Florida*).—A pretty low growing evergreen shrub with thick glossy green leaves and waxy white double flowers of delicious sweet-scent; highly valued for winter flowering in the house or conservatory. Each 20c.

MUSK PLANT.—This is the true musk plant and has a refreshing, delightful fragrance which becomes quite strong and pervading when the leaves are rubbed. Is a pretty little plant and of much value for pot culture and bedding. Flowers yellow. Each 10c.

MAURANDIA.—Graceful climbers for window or conservatories or open ground in summer; admirable to hang from vases, cover stumps and low trellises, flowering freely. Each 10c.

MOJARDIA, Didima.—Strong growing plants, from two to three feet high, dense foliage, aromatic and sweet scented. Large spikes or heads of intense, rich, deep scarlet flowers. It blooms throughout July and August. Each 10c, doz. \$1.00.

MOON FLOWER.—A very handsome climber, growing to a height of twenty-five to forty feet, and covered nightly and on dull days with its white, moon-like flowers five to six inches in diameter. Each 15c, doz. \$1.25.

MANETTA.—Bicolor.—One of the handsomest little vines in existence. It is easily and quickly grown and blooms continuously. It is well adapted for hanging basket, pot culture, vases or bedding. The flower is of the size and shape shown in our illustration, and of brilliant scarlet, tipped with clear golden yellow, making it most wonderfully attractive. Manetta Bicolor blooms constantly and profusely during all the summer months out of doors and all of the winter months when taken into the house. We heartily recommend this vine to all our customers and feel assured of no complaint when tried. Each 10c, large size 25c.

OTAHEITE ORANGE.—An extra fine pot plant, with glossy green leaves the true fragrant orange bloom and abundant little bright oranges that will hang on the little bush like balls of gold for six months after they are ripe. With good culture they are never out of fruit from one year's end to another and at least two-thirds of the time are in flower also. In beauty, grace and fragrance there is nothing like its delicate, leafy sprays of bloom. Each 15c, Large size 25c.

OLEANDERS.—These old fashioned shrubs are becoming popular again. No plant makes more handsome specimens in tubs for veranda or yard. Each 25c.

OTTHONIA, or Pickle Plant.—A very pretty plant for basket culture. Each 10c.

OXALIS—Golden Star—(*Ortigies*).—A shrubby plant, about 12 inches in height, branching freely; bearing clusters of golden star-shaped flowers. Ea. 15c.

Bowiei.—An elegant species from the Cape of Good Hope. Bears very large deep pink flowers. Each 10c.

Bermuda Buttercup.—Fine for pot culture. As many as fifty flower spikes have been produced by a single well grown plant and fully 1,000 bright yellow flowers in a season. Each 10c.

LEMON VERBENA.—A universal favorite, invaluable for its fragrant leaves. They will retain their fragrance for years when dried. As a plant for the garden or for pots it is equally valuable, its fine sprays of foliage and delicious fragrance making it desirable for bouquets, etc. In good rich soil each plant will cover a space of three to four feet in diameter. Each 10c.

LOBELIA.—Handsome trailing plants, profuse bloomers; elegant for baskets, vases and borders. Each 10c.

LANTANA.—We consider this one of the most satisfactory plants grown. It is the flower for everybody, both for outdoor bedding and blooming all winter in the house. It has a flower somewhat resembling the Verbena, borne on a woody, bush-shaped plant. The flowers embrace all shades of orange, sulphur, lilac, red, pink, white, etc., changing from one distinct color to another as they increase in age and development.

Javol.—The best, largest and freest blooming white variety. Every one will be pleased with it. Each 15c.

Perfection.—The only Lantana having variegated foliage. Is unusually handsome. Outside rows of florets are pink with rose center; inside florets very light sulphur yellow with orange center. Blooms freely, Each 10c, doz. \$1.00.

Gold Cup.—A dwarf compact grower, with very pretty lemon yellow flowers, having golden yellow center. Each 10c.

Amiel.—Semi-dwarf, very compact; fine bloomer, umbel and floret fine size. Reddish orange with yellow center. Each 10c.

Weeping.—A beautiful trailing variety, very desirable for planting in hanging baskets, vases, pots or open ground. Bears an immense profusion of lovely clear pink flowers from early summer until late in the fall. Everyone is delighted with it. Each 10c.



PERFECTION LANTANA.

HELIOTROPE.—These are universal favorites on account of their delightful fragrance. Flowers equally well as bedding plants in summer, or as pot plants in the house during the winter.

Czar.—A new giant flowering, very dark colored sort, almost black. Each 15c.

Czarina.—A fine companion for the above. It grows a trifle taller and bears an enormous truss of deep indigo blue flowers with clear white eye. Each 15c.

Jersey Beauty.—Very large trusses of blue flowers. Each 10c.

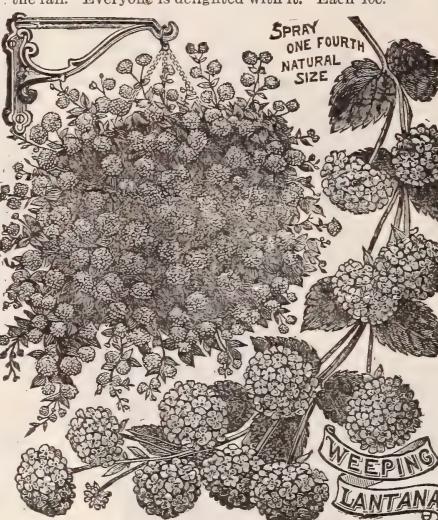
Snow Wreath.—Superb large cluster of delicious fragrant flowers, nearly white. Each 15c.

MARGUERITE.—(or *Paris Daisy*)—White.—A French improvement on the old White Marguerite which has for years been so popular. Much larger and will produce ten times as many flowers. All flower lovers should try a few of these. Each 10c, doz. \$1.00.

Queen Alexandria.—A great improvement on the White Marguerite having larger flowers, which are produced in greater abundance. Each 15c, doz. \$1.25.

Yellow.—Similar to the above, but of a very pretty canary yellow color. It blooms freely and continuously. Each 10c.

Blue.—A strikingly beautiful flowering plant, producing an abundance of clear sky blue flowers. Plants are fairly loaded with the flowers, which are very desirable for cutting. Each 10c.



MANETTA BICOLOR.



OTAHEITE ORANGE.



BABY PRIMROSE.

PLUME POPPY.—(*Bacconia-Cordata*.)—Tall and sub-tropical in appearance with large, handsome foliage and large heavy plumes of white flowers on tall stems from six to eight feet high. Desirable for planting in the border or with shrubbery. Blooms continuously through July and August. Each 15c; dozen 90c.

PETUNIA.—**Double.**—One of the grandest, most beautiful plants for massing, mixed borders and vases. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable for garden decoration. Our stock is unsurpassed and includes the best blotched and fringed sorts. Mixed varieties. Each 10c, dozen 90c.

Crimson Queen.—One of the best crimson petunias. Each 10c.

Fantasia.—A handsome double white and purple petunia. Striking variegation. Each 15c.

Fritz.—This is a decided novelty. The ground work of the flower is a deep purple, which is beautifully marked and penciled with cream, white and pink, the whole forming a most gorgeous combination. Each 15c.

HeLEN GOULD.—A beautifully fringed pink variety. One of the handsomest sorts in existence. Each 10c.

Sea Foam.—A new double white fringed variety; unsurpassed among fringed sorts for purity of color, size, form and vigor of growth. Each 15c.

Snow Queen.—White varieties are always scarce; this is an extra choice new double white petunia which for profuse flowering qualities is unsurpassed; for keeping has no equal. Ea. 15c.

Giant Fancy.—A very large single flowered variety a free bloomer and very showy. Each 15c, doz. \$1.25.



FANTASA DOUBLE PETUNIA.

PRIMROSE.—**The Baby.**—(*Primula Forbesi*.)—It is a wonderfully free blooming plant, commencing to flower as soon as "born". It forms a dense rosette of somewhat fleshy leaves from which spring the flowering stems, twelve, fifteen and even twenty inches tall, supporting three tiers of whorls of dainty flowers of a delicate rose lilac, with eye of pale gold. The flowers are not more than a half inch in diameter, but they are produced in great abundance from September until June. Each 10c.

Mexican.—Is a perpetual bloomer, in flower all times of the year, a good specimen showing always from ten to thirty large saucer shaped blossoms two to three inches across, of several beautiful colors. Each blossom keeps perfect many days before fading and when it droops others are out to take its place, and this succession of beauty is continued. Ea. 10c.

Obconica.—A lovely perpetual blooming primrose. The flowers are of rose lilac, shading to white. Each 10c.

Chinese.—One of the most popular flowers for winter blooming. Each 15c.

PENTSTEMON.—One of the most beautiful and useful hardy perennials; produces large spikes of flowers as handsome as the most rare sorts of Gloriosias and greatly resembling them. Give good culture and it will bloom from July to October and attract much attention, as few persons have ever seen it. Each 15c, dozen \$1.25.

PANSIES.—Pansy plants are quite a specialty with us and we sell immense numbers of them every year. Our plants are grown from the very best quality of seed and are strong and vigorous and have beautiful large velvety flowers of all shades and colors known in pansies. Extra large strong plants, 50c per dozen; four dozen for \$1.50 postpaid. Smaller size 25c per doz. five dozen for \$1.00.

PANSY GERANIUM.

This beautiful flower belongs to the Pelargonium class. The flowers are of medium size and have white throat. Each petal is shaded toward the center with a rich lavender pink and a dark maroon blotch in the center. Very handsome; will attract attention. This new and beautiful geranium is of easiest growth, dwarf in habit and literally covered with flowers, and as it requires little or no attention it is invaluable as a window plant. Colors and markings of flowers are most extraordinary. Each 25c.

PALMS.—The most elegant and highly decorative of all plants and the low prices at which they are now offered place them within the reach of all. The following are the most desirable for house culture.

Latania Borbonica.—or **Fan Palm**—One of the most popular varieties grown, prized especially for its beautiful, large fan shaped leaves of deep glossy green. Each 25c, large plants by express, 50c, to \$5.00.

Kentia.—This is considered one of the hardest and best palms in cultivation. A rapid grower. Each 35c; large plants by express, \$1.00 to \$5.00 each.

Chamaerops.—Handsome fan-leaf palm of rapid easy culture. Very valuable and useful for outdoors during the summer. Each 20c.

Cycas Revoluta.—**Sago Palm**—Magnificent plants of noble and majestic habit. Their heavy, glossy, deep green fronds resist alike the gas, dust or cold. Strong young plants are 50c each postpaid; large specimen plants at \$1.00, \$2.50, \$5.00 and \$10.00 each, according to size, by express.

PANSY GERANIUM.

PELARGONIUMS.—Commonly known as Lady Washington Geraniums, and the improved large flowering sorts are undoubtedly the most beautiful of all geraniums. Is highly prized everywhere for house culture and for winter blooming.

Mrs. Robert Sanford.—A grand double white variety; the flowers are extra large, perfectly double and beautifully laced and ruffled; the color is glistening snow white, exceedingly beautiful. Each 25c.

Victor.—Bright cherry red with white markings at base of petals, upper petals heavily spotted with deep maroon. Each 20c.

Captain Raikes.—A grand ruffed or fringed variety with very large flowers borne in large, finely shaped trusses. Color bright red, with light center, heavy maroon blotches in upper petals. Each 25c.

Wonder.—A very handsome large single flower. Color pure white, blotched chocolate crimson making it decidedly showy. Each 15c.

RUSSELIA.—**Elegantissima.**—A pretty little plant producing hundreds of bright scarlet flowers, fine for hanging baskets or vases. Each 10c.

PLUMBAGO.—**Capensis.**—There is no plant in our greenhouse that has caused more exclamations of delight than these beautiful heavenly blue Plumbagoes. They are most excellent pot plants, flowering freely at all times of the year. Flowers are borne in large clusters and are exceedingly beautiful in color. They are of very easy culture, growing in any situation as freely as geraniums. Each 10c.

PASSION FLOWER.—One of the most desirable of all climbing plants. Will climb up a trellis 10 to 12 feet high in a season and cover it all over with pretty leafage and large clusters of handsome flowers. The flowers are 3 to 4 inches across and the colors a remarkable combination of red, white and blue shades. Each 15c.

IRISH SHAMROCK.—A pretty little plant and quite popular with the Irish. Resembles clover in shape of leaf. Does well when grown either in the open ground or in pots and its neat foliage is quite attractive. Also fine as a border. Each 10c.



MEXICAN PRIMROSE.



PANSY GERANIUM.



KENTIA PALM.

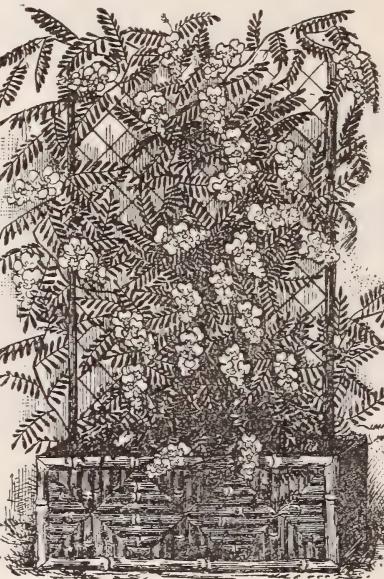
STEVIA SERRATA.—A pretty flowering plant, largely grown by florists, for blooming in the fall and winter. Plants are of upright growth, 18 in. in height, producing numerous sprays of small white florets of delightful fragrance. Not hardy and therefore should be potted in the fall for winter blooming. Each 15c.

Variegated.—beautifully variegated green and white leaved variety of Stevia, of great value for ribbon beds and borders. Each 15c; doz. \$1.25. Ask for prices in quantity.

SANSEVERIA—Zelanica.—There is scarcely a decorative plant listed that is more striking in appearance, and certainly none other that will stand as much downright neglect. It will grow in a dark, cool room or stand on the mantel in a heated sitting room. Will stand gas or dust and go months without water, yet remains as thrifty as ever. Singularly beautiful, as well as easily grown. Erect, rigid, sword-like leaves which are thick and fleshy, dark green color, beautifully striped crosswise with white. Each 15c; large specimen plants 40c.

SWAINSONIA—White.—A beautiful new climbing plant. The habit of growth is extremely graceful, and the vine trained up at the side of a window, or on a trellis presents a lovely sight of light green, feathery foliage, and a splendid profusion of pure white sprays of flowers resembling Sweet Peas in form. Easily grown and under favorable conditions is almost a perpetual bloomer. Each 10c.

Pink.—A beautiful new sort, quite similar to above, except that flowers are a clear pink color. Each 15c.



WHITE SWAINSONIA.

SANTOLINA.—A very pretty dwarf growing little plant. The foliage is finely cut and of a silver gray color, thus making it particularly useful and valuable for edgings and ribbon beds, as it contrasts finely with plants of darker color or larger leaves, like Coleus. Each 10c, dozen \$1.25.

SOLANUM—Jasminoides Grandiflorum.—This beautiful plant is of trailing habit, but if desired it can be cut back to a bush form. It has star-shaped flowers borne in large clusters or panicles, frequently a foot across. They are pure white with a violet tinge on the back; is equally good bloomer in summer and winter and is very effective when planted to cover a low wall or trellis. Each 10c, dozen \$1.00.

STROBLANTHE—Royal Purple.—An excellent bedding plant as well as a beautiful foliage plant for pot culture. It forms a compact bush eighteen inches high with leaves six to nine inches long, of beautiful metallic purple, shading into light rose with a light green margin, a combination unapproached by any other plant. The flowers are violet blue, borne in immense racemes. Each 15c.

SEDUM—(Stone Crop).—Small, low-growing plants desirable for rockeries or bedding. Four varieties. Each 10c, dozen 75c.



SANSEVERIA.

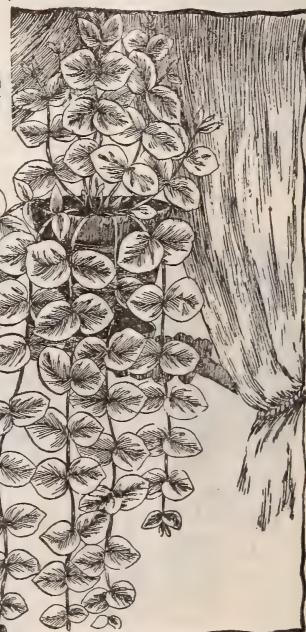
SELAGINELLA.—A beautiful low growing, moss-like plant. Fine for ferneries or planting in moist places. Each 10c, dozen \$1.00.

SALVIA—Mrs. Chas. N. Page.—One of the finest of all bedding plants, being completely covered during the summer and autumn with long spikes of dazzling scarlet flowers, remaining in bloom until cut down by frost. Each 15c, per doz. \$1.50. Large size from four inch pots, each 25c dozen \$2.25.

Clara Bedman.—A dwarf early and very free blooming variety, the plants appearing to be almost completely hidden by the mass of brilliant scarlet flowers. Each 20c, doz. \$1.00.

Splendens.—The old favorite but not as free a bloomer as above sorts. Each 10c, dozen 75 cents.

Silver Spot.—Folage green, spotted clear white; flowers bright scarlet. Attractive bedding plant. Each 15c, per doz. \$1.25.



ELEGANTISSIMA VINCA.



SAXAFRAGA—(Strawberry Geranium).—The well-known, much used old basket plant with long, strawberry-like runners. Each 15c.

STEPHANOTIS—Floribunda.—A charming climber for house culture, producing clusters of pure white, deliciously fragrant flowers. Each 20c.

IMPERIUM SULTANA.—Beautiful flowering plant producing waxy, bright flowers almost continuously, winter and summer; suitable for either pot or garden culture. Plant of compact growth and almost a perpetual bloomer. Each 15c.

SMILAX.—A well-known handsome climber and the most popular of all vines with the florists. Each 10c.

WANDERING JEW.—An old, well-known trailing plant, nice for growing in hanging baskets, vases, pots or window boxes. Several varieties with variegated foliage. Each 10c, dozen \$1.00.

WAHLENBERGIA, or Bush Clematis.—A plant of wonderful beauty which blooms profusely all summer. White and various shades of blue. Each 15c, large size 25c.

VINCA MAJOR—Elegansissima.—One of the handsomest vines in existence for growing in window boxes, hanging baskets, trailing from pots, rockeries, etc. The long, trailing stems of glossy green leaves are broadly marginated and variegated with white stripes that are always bright and pretty. Plants are the easiest culture, will stand neglect and mistreatment and grow very rapidly. Does well either in a sunny place or in the shade. Blue flowers. Each 10c, dozen \$1.00; large size 25c.

Harrison.—Similar to the above but with darker variegation. Each 10c, dozen \$1.00.

SEA PINK.—An attractive little plant also known as Armeria or Thrift. It is a hardy perennial having a rosette of narrow grass-like leaves and bearing handsome compact heads of pink flowers; useful for bedding or borders or rockeries. Each 10c; dozen \$1.00.

MAMMOTH VERBENAS.—Everybody likes Verbena, as no one can help enjoying the sight of a nice bed carpeted with dark green leaves and brilliant blossoms. We have a large stock of the large flowered varieties which bloom freely and are of the finest colors. We can furnish separate colors such as red, pink, white, blue, purple, maroon, striped, etc., or nicely assorted, just as you prefer at 10c each, 75c per dozen.



MAMMOTH VERBENA.

ROSES.

We consider these not only the most popular, but also the most satisfactory of all flowers, and therefore we make roses a leading specialty and are now devoting more space in our green houses and more land in our fields to roses than ever before. Our plants are grown on their own roots and are strong, healthy and vigorous. We have taken great pains in preparing this list which represents the choicest selections from nearly a thousand varieties and we are sure every one will prove satisfactory. The two-year-old plants offered are out-door grown, dormant plants of most varieties. Roses are sent by mail or express prepaid in perfect condition to the most distant parts of the United States and we guarantee safe arrival. Directions for culture sent with every package. **One doz. of any variety at price of ten.**

NOVELTIES.—Be sure and notice the desirable new varieties described in Novelty List and on front cover of this catalogue.

SOUVENIR DE WOOTON.—We put this first on our list as we consider it one of the most beautiful and satisfactory roses grown. Color a rich shade of velvety crimson, deliciously fragrant, a constant and most prolific bloomer, and flowers frequently six inches across. Each 10c. Two-year-old plants 25c.

CHATEINAY.—A most wonderfully beautiful rose. Flowers are of elegant shape with slightly recurved petals. Color creamy rose shaded with rosy carmine. An extra choice free blooming garden variety. Each 15c. Two-year-old plants 35c.

GOLDEN BEEDER.—The finest golden yellow Tea Rose. A strong healthy vigorous grower and a profuse bloomer. By some it is called *Star of Lyons*. Each 20c. Two-year-old plants 35c.

MAMAN COCHET.—Buds large and pointed, while the open flowers are extra large, double and bloom all the time. Each 15c. Two-year-old plants each 30c.

LIBERTY.—Color indescribably rich glowing, dark crimson scarlet, of immense size, very fragrant and double. Each 20c. Two-year-old plants 40c.

GRUSS AN TEPLITZ.—One of the brightest colored roses grown. When first opened it is a dark rich crimson, quickly changing to a bright scarlet. Blooms continually. Each 15c; two-year-old plants 30c.

FRANCES E. WILLARD.—Undoubtedly the best pure white ever-blooming rose ever introduced. Buds and flowers are of large size, perfect form, pure snow-white color, delightfully fragrant and blooms freely. Each 15c. Two-year-old plants 35c.

RAINBOW.

A detailed black and white engraving of a rose flower, likely a Tea rose, with many layers of petals. The flower is shown in a slightly open state, revealing its internal structure. It is surrounded by several large, serrated leaves.

flowers, long stems and continuous bloom. Flowers creamy white, delicately tinged with golden yellow and bright rose color. Each 10c; two-year-old plants 25c.

CHAMPION OF THE WORLD.—The champion bloomer. It is claimed that one plant will produce more flowers during the year than ten plants of any Tea Rose. Blossoms are perfectly double to the center, of good shape. Color, a degree of loveliness which few roses can equal; rich, deep, rosy pink. Each 15c; two-year-old plants 30c.

HERMOSA.—An excellent rose, blooms in fine clusters; large, very double and fragrant; color a beautiful clear rose. Each 10c; two-year-old plants 25c.

BEAUTY INCONSTANT.—A wonderful new variety, producing flowers of many shades of pink, red, crimson and yellow, all on the same bush at once, making a plant of indescribable beauty. Each 15c; two-year-old plants 40c.

VERDIFLORA.—The wonderful green rose that cannot fail to attract attention and causes surprise wherever seen. Deep green petals and a free bloomer. Each 15c.

PRESIDENT CARNOT.—Magnificent New Hybrid Tea Rose which we consider one of the daintiest and most charming and fragrant roses in cultivation. Color soft, creamy fawn, overlaid with delicate pink. Each 15c; large two-year-old plants 35c.

WHITE COCHET.—An exact counterpart of the beautiful Maman Cochet except that it is of the purest white. Very desirable. Each 15c; two-year-old plants 35c.

COQUEUTE DE LYON.—A most desirable bedding variety of light canary yellow color. The flowers are extra large, finely formed, deep and double. Each 15c; two-year-old plants 35c.

BRIDE.—A fine pure white cut flower rose. Very double. Buds are of very large size, carried high and erect; unsurpassed for purity and whiteness. Each 15c; two-year-old plants 25c.

BRIDESMAID.—Like above but a lovely shade of clear pink. Thousands of this variety are grown every year for cut flowers, and it is also very desirable for summer bedding out of doors. Each 10c; two-year-old plants 25c.

SUNSET.—Beautiful old gold color shaded with coppery crimson, with sunset tints. Each 15c; two-year-old plants 30c.

METEOR.—Large flowers of deepest glowing crimson. Each 10c; two-year-old plants 25c.

FRANCISKA KRUGER.—A strikingly beautiful rose of deep coppery yellow quite unique and distinct from all others. Of large size and very symmetrical. Each 15c; two-year-old plants 35c.



SOUVENIR
DE WOOTON.

BESSIE BROWN.—Blooms are very large in size, full double and of perfect shape; color creamy white flushed and tinged with pink. Blooms freely. Each 10c. Two-year-old plants 40c.

HELEN GOULD.—Buds are long and pointed; the flowers are full and perfectly double; color rich rosy crimson, bright and glowing; a good winter bloomer. Each 15c. Two-year-old plants 30c.

RAINBOW.—An elegant striped Tea Rose; strong healthy growth and exceedingly free flowering habit. Color a lovely shade of pink, striped and mottled in a most unique manner with intense crimson, and elegantly covered with rich golden amber at center and base of petals. Each 15c; two-year-old plants 35c.

THE QUEEN.—Pure snow white, makes good, fine-formed buds, is quite full, double, showing but little center and is very fragrant; a constant bloomer. Each 15c; two-year-old plants 30c.

EMILE GONIN.—A grand new variety. Creamy white tinted with orange yellow at the base of petals, while the tips of petals are reflected and broadly margined with bright carmine crimson; Each 15c; two-year-old plants 30c.

PERLE DES JARDINS.—Fine straw color; very large and perfect. Blooms freely. Each 10c; two-year-old plants 25c.

GOLDEN GATE.—A beautiful free blooming and healthy Tea Rose that we can recommend to every one desiring large flowers, long stems and continuous bloom. Flowers creamy white, delicately tinged with golden yellow and bright rose color. Each 10c; two-year-old plants 25c.



CHAMPION OF THE WORLD.

CLIMBING ROSES.

For porches and trellises nothing surpasses the climbing roses, especially the everblooming varieties. We recommend the two-year old dormant plants for immediate effect.

MRS. ROBERT PEARY, or Climbing Kaiserin Augusta Victoria.—The most remarkable new rose of recent introduction. The flowers are extra large, full, deep and double. The buds are long and pointed. Color pure ivory white, of delicious fragrance. Grows 10 to 15 feet in a single season. Each 20c. Strong two-year-old dormant plants each 50c.

MANDA'S TRIUMPH.—A beautiful white climbing rose. It is a very rapid, sturdy grower; and bears a profusion of double, pure white, beautiful imbricated flowers; elegant for cemetery. Each 10c, dormant 25c.

ENGLAND'S FAVORITE.—An ever-blooming climber of beautiful golden yellow color, shading to a rich coppery color in the center. A striking, unique shade, sure to attract attention. Delightfully fragrant. Each 20c, dormant 40c.

RUSSELL'S COTTAGE.—Dark crimson, very double and full; Extra strong, rampant grower of iron-clad hardiness. This is the only satisfactory dark red climbing variety. Each 15c, dormant 30c.

MARECHAL NEIL.—Very bright golden yellow; very large, full and perfect form; of vigorous climbing growth and a free bloomer. Not hardy. Each 15c, dormant 35c.

SEVEN SISTERS.—Crimson changing all shades to white; blooms in clusters. Each 15c; dormant 25c.

MARY WASHINGTON.—A hardy, perpetual blooming climber, producing double snow white blossoms from June until frost. In this lovely rose our first president took special delight and named it after his mother, Mary Washington. The original bush can yet be seen at Mt. Vernon. Each 15c, dormant 30c.

BALTIMORE BELLE.—Double blushing white, large clusters covering plant with bloom. Each 10c, dormant 25c.

PRAIRIE QUEEN.—An old standard that will always be popular. Bright rosy red, large flower. Each 10c, dormant 25c.

FAIRY ROSES.

Small roses which are marvels of grace and beauty; bloom in clusters of 25 to 50 on a single stem.

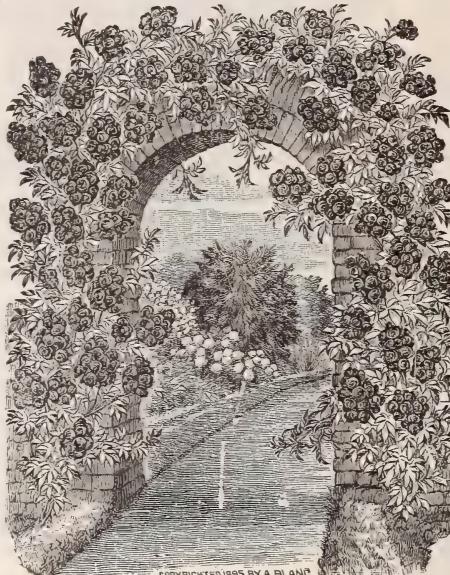
MOSSELLA.—A choice novelty. Flowers very double; tinted white on beautiful light yellow ground. Each 15c.

PRINCESS BONNIE.—A rich solid crimson. Each 10c.

LITTLE WHITE PET.—A pure white; of perfect shape. Hardy. Each 10c.

MIGNONETTE.—Clear, soft pink, passing to white. Flowers full and double. Each 10c.

CLOTHILDE SOUPERT.—One of the most popular and satisfactory roses grown. A wonderfully free bloomer. White shaded pink. Each 10c, dormant 25c.



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CRIMSON RAMBLER ROSE.

CRIMSON RAMBLER.—The most popular rose in existence as it is always satisfactory. Many instances are reported of 3,000 to as high as 19,721 flowers by actual count on one bush. It is exceedingly hardy. Flowers are produced in large trusses of pyramidal form and of the brightest crimson color. The blooms remain on the plants for a great length of time without losing their brightness. Each 10c, strong dormant plants 25c. We have also a few extra strong four-year-old Crimson Ramblers at \$1.00 each.

YELLOW RAMBLER.—Grand new variety like above except that it is golden yellow. One of the most satisfactory sorts. Each 10c, dormant 25c.

WHITE RAMBLER.—Pure white, very fragrant. A beautiful, popular and satisfactory sort. Each 15c, dormant 25c.

PINK RAMBLER.—Of shining rose color. Each 10c, dormant 30c.

DOROTHY PERKINS.—A grand new sort remarkably like Crimson Rambler, but the flowers are more double and of a beautiful shell pink color. Very hardy. Each 10c, dormant 30c.

PHILADELPHIA RAMBLER.—An improvement on the Crimson Rambler. Begins blooming two weeks earlier and color is brighter, more intense crimson, almost entirely free from mildew. Each 15c, dormant 30c.

HELENE.—Large and more double than Crimson Rambler. Color soft violet rose. Each 15c.

SPECIAL.—Set of seven Rambler Roses for only 50c.

EVERGREEN MEMORIAL ROSES.

These hardy roses creep over the ground like ivy. The leaves are glossy dark green; profuse flowering; used extensively in cemeteries, rockwork, etc.

WHITE MEMORIAL.—(*Wichuriana*.) The finest rose for cemetery planting. Has dark green leaves and creeps on the ground like an ivy, rapidly branching and covering any surface. The flowers are single, pure white; hardy. Each 10c, dormant 25c.

EVERGREEN GEM.—Flowers are creamy white, changing to pure white and of a delightful Sweet Briar fragrance. Each 10c, dormant 25c.

SOUTH ORANGE PERFECTION.—Produces multitudes of the most perfectly formed double flowers; soft blushing pink at tips. Ea. 10c, dormant 25c.

GARDENIA.—Buds bright yellow, open flowers cream color, 3 to 3 1/2 inches in diameter. Delightfully fragrant. Each 10c, dormant 25c.

JERSEY BEAUTY.—Extremely vigorous grower, flowers large, single, 3 inches in diameter, opening pale yellow, with clusters of bright yellow stamens. Each 10c, dormant 25c.

UNIVERSAL FAVORITE.—The blooms are very abundant, of large size, double, of a beautiful rosy-pink, and very fragrant. Each 10c, dormant 25c.

Set of 6 Memorial Roses for only 50 cents.



MOSELLA FAIRY ROSE.



MARY WASHINGTON ROSE

ORDER YOUR ROSES AND SET THEM OUT EARLY TO SECURE LOTS OF FLOWERS.

BEAUTIFUL HARDY ROSES.



MRS.
JOHN
LAING

JOHN HOPPER.—Flowers large, regular and full; color brilliant rose, shaded rich crimson. Very sweet. Each 15c, dormant 35c.

GENERAL JACQUEMINOT.—One of the grandest roses in existence; nothing can surpass them in beauty. Color a rich dazzling scarlet, shaded with deep velvety crimson, a superb glowing color. Each 15c, dormant 30c.

MAGNA CHARTA.—A splendid rose with extra large, rosy red flowers, beautifully flushed violet crimson. Each 15c, dormant 30c.

PAUL NEYRON.—Double flowers of shining carmine pink. Largest rose known, and one of the most prolific bloomers. It is an exceptional grower, making shoots 4 to 5 feet high in a single season. We heartily recommend this if a hardy, pink-colored rose is desired. Each 15c, dormant 30c.

ULRICH BRUNNER.—Rich, glowing crimson scarlet; flowers of exquisite shape. Each 15c, dormant 30c.

COQUETTE DES ALPS.—Flowers large and full, finely formed and pure white. Profuse bloomer. Each 15c, dormant 30c.

MAD. CHARLES WOOD.—Bright, fiery scarlet, passing to rosy crimson, shaded maroon. Each 15c, dormant 35c.

PRINCE CAMILLE DE ROHAN.—A fine rose of rich velvety crimson, passing to maroon, shaded black. Each 15c, dormant 35c.



The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. The lower priced roses below named are growing plants, from 2 to 2½ inch pots, while the larger sizes are strong, hardy, outdoor grown, two-year-old plants which have been kept dormant. These can be planted outside early in the spring before it is safe to set out plants that are growing in pots, and are ready to begin blooming almost as soon as set out. Should our stock of dormant be exhausted we will send strong two-year-old plants which have been kept growing in pots. Our experiments prove that the following are the most satisfactory varieties for general use and we have discarded all others. Remember—we prepay the postage or express charges on all plants at prices named.

GLORIE DE MARGOTIN.—This grand new hybrid perpetual rose is believed to be one of the very finest varieties. Flowers are very large, symmetrical, very full and deliciously scented. The color is clear, dazzling red. It is certainly one of the most brilliant roses ever seen. It is a free bloomer and vigorous grower, of great beauty and wonderful color. Each 15c, dormant 40c.

AMERICAN BEAUTY.—One of the best and most valuable roses, both for garden and house culture. Color rosy crimson, exquisitely shaded and very handsome. Extra large, full flowers and fine buds, a good bloomer. Each 15c, dormant 35c.

BARON DE BONSTETTEN.—The Black Rose.—Rich, dark red, passing to a deep velvety maroon, nearly black. Large, highly scented. Each 15c, dormant 35c.

DINSMORE.—We cannot praise this enough. Always in bloom, with large, imbricated, very double flowers, of a dazzling crimson scarlet color; rich, spicy fragrance. Of compact, bushy growth, fine for bedding and very hardy. Each 15c, dormant 30c.

MRS. JOHN LAING.—This rose for outdoor planting is undoubtedly the finest. Color a beautiful, soft pink, with most delicious fragrance; very double and of large size. A constant bloomer. Each 15c, dormant 30c.

JUBILEE.—A grand, hardy perpetual blooming variety. Color dark crimson shaded velvety maroon; flowers sometimes six inches in diameter. Each 15c, dormant 30c.

GENERAL WASHINGTON.—Color brilliant crimson, very rich and beautiful; large, perfectly double and a free bloomer. Each 15c, dormant 30c.

VICK'S CAPRICE.—Perfectly hardy. Flowers are large, soft, satiny pink, distinctly striped and shaded with white and carmine. Each 15c, dormant 30c.

CAPTAIN CHRISTY.—Very double, color fresh, delicate pink. Each 15c, dormant 30c.

ROGER LAMBERLIN.—An exquisitely beautiful and rich colored rose, in fact it is so very much different from all other varieties that few persons suspect that it is a rose. Each 20c.

GENERAL JACQUEMINOT ROSE.—A detailed black and white engraving of a large, double-flowered rose, identified as 'GENERAL JACQUEMINOT ROSE'.

MADAME PLANTIER.—Flowers borne in great profusion, pure white, hardy as an oak, and as certain to grow as grass. Blooms in June. Each 10c, dormant 25c.

HARRISON'S YELLOW.—One of the finest, pure deep yellow hardy roses ever grown. Dormant 50c.

ENGLISH SWEET BRIER.—Flowers are bright pink, single, but the exquisite fragrance of the flowers, the leaves and young branches in spring frequently perfume a whole neighborhood. Each 25c, dormant 40c.

MOSS ROSES.

Acknowledged queen of all roses; moss-covered stems and buds show off delicate loveliness of blossom; hardy.

CRESTED MOSS.—Deep pink colored buds surrounded with a mossy fringe; fine. Each 20c, dormant 35c.

CRIMSON GLOBE.—A variety with a magnificent large flower, deep, rich crimson, very mossy fragrant and one of the best. Each 15c, dormant 35c.

WHITE MOSS.—Every flower lover should have one of these exquisite white moss roses. Each 15c, dormant 35c.



SET OF LA FRANCE ROSES.

La France roses are certainly the nearest perfection of flowers. Distinctive characteristics of the set are the true LaFrance fragrance and beautiful form. Hardy.

LA FRANCE.—Beautiful form in bud and full bloom; very large, full and globular; a constant bloomer; color pink or silvery rose—a satiny sheen, as it has been termed. Each 15c, dormant 30c.

WHITE LA FRANCE.—Identical with LaFrance, except color. It is pearly white, sometimes tinted fawn. Each 10c, dormant 30c.

STRIPED LA FRANCE.—Rich, creamy pink with silvery gloss, the whole beautifully etched and streaked with carmine. Each 15c, dormant 30c.

RED LA FRANCE.—(Duchess of Albany.)—Deep, rosy pink hue. Very large, double and of superb form. Each 10c, dormant 35c.

Set of Four La France Only 40 Cents, dormant \$1.00.

TEN HARDY DORMANT ROSES, ALL DIFFERENT, OUR SELECTION FOR \$2.00.

HARDY SHRUBS.

There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs. They are permanent improvements which increase in size, value and beauty year after year. Our price is for strong healthy plants sent by mail or express prepaid. Those marked large or dormant are strong two-year-old plants.

WEIGELA—Rosea.—No shrub in our large collection has attracted more attention. It is of robust but graceful growth, 5 to 7 feet high, and produces immense numbers of superb, large trumpet-shaped flowers in June, July, and also some in the fall. Plants frequently have more flowers than leaves. Flowers shade from dark pink to nearly white in the same cluster. Each 15c, dozen \$1.50. Large 25c. Dozen \$2.50.

Eva Rathka.—A splendid new variety and, perhaps the handsomest yet produced. Large purplish red flowers with rich creamy white markings. Each 20c, large 35c.

Variegated.—A neat, dwarf shrub, valuable for the clearly defined variegation of green, yellow and pink in its leaves; flowers delicate pink. A fine variegated-leaved shrub. Each 15c; large 35c.

HYDRANGEA—Panicle Grandiflora.

—The grandest as well as the most popular of all shrubs, and hundreds of thousands of them are sold every year and the demand is constantly increasing. Unsurpassed for the lawn, a hedge, or for cemetery planting. It readily attains a height of 5 to 7 feet; hardy in all localities, needs no protection in winter; blooms the first and every season in July and August and continues in bloom for two or three months; the flowers are masses of compact, sometimes ten inches in length, and changing from the original pure white to pink, and finally to a beautiful rich coppery red. Each 15c, doz. \$1.25. Large dormant plants 30c, doz. \$2.50; large tree 30c plants 75c.

AZALEA—Mollis.—Showy, low-growing, hairy plants, used extensively in parks and public grounds. Their yellow, orange and carmine flowers are not approached by any other hardy shrub. Each 75c.

ARALIA SPINOSA.—A curious spiny-trunked shrub-like tree, also sometimes called *Hercules Club* or *Devil's Walking Stick*. Valuable for producing tropical effects. Very showy. Each 40c. Extra large size by express \$1.00.

POMEGRANATE, Dwarf.—A beautiful shrub bearing large double scarlet flowers. Must be kept in the cellar over winter in the northern states. Each 25c, large 40c.

EXOCORDIA—Grandiflora.—(*Pearl Bush*)—A neat, compact bush 10 to 12 feet high; can be trimmed any desired shape; pure white flowers borne in slender racemes of 8 to 12 flowers each. Large size each 30c.

DEUTZIA—Pride of Rochester.—By far the handsomest variety of Deutzias. It is a very desirable shrub of strong, hardy growth, with nice luxuriant foliage and bearing an abundance of beautiful racemes of double, pure white flowers. Must be seen to be appreciated. Every one of our customers should have at least one of these. Ea. 15c, large 30c.

Crenata.—Flowers double white, tinged with pink. Small 15c, large 25c.

Gracilis.—A pretty, round, bush-shaped Deutzia blooming freely. Each 15c.

LILAC—Persian.—A well known strong growing shrub, large, fragrant clusters of purple flowers early in spring. Each 10c, large 25c.

Single White.—Like above, but has white flowers, making it more desired by some. Each 15c, large 35c.

New Double White.—A novelty of great merit and the finest flowering shrub which has been introduced for many years. The truss is of large size, and produced in profusion. The individual flowers resemble miniature tuberoses. Each 25c, large 30c.

Common.—The old standard variety with bluish purple flowers. Each 10c, large 25c.

LONICERA—Red Tartarian.—*Bush Honey-suckle.*—Blooms in June, with beautiful pink and white flowers, followed by red berries. Ornamental through the season. Each 15c, large 30c.

ROBINIA—Hispidia.—Variously known as "Sweet Pea Shrub," "Flowering Locust," "Moss Locust," and "Rose Acacia." The shrub of shrubs for bouquet makers. When it is bloom it is really but a big bouquet itself, full of dainty sprays of large lovely rose-pink blooms which are of size and shape of beautiful sweet peas. Each 35c. Tree shape 75c.



WEIGELA OR DIERVILLA ROSEA

CALYCANTHUS.—A beautiful, sweet-scented shrub; flowers purple, quite double, exquisitely fragrant. Large size each 25c.

CORCORUS—Japonica.—(*Kerria*)—A grand shrub from two to five feet high which is almost constantly in bloom from June to October. Produces hundreds of large, double yellow flowers. Each 15c, large 25c.

CORNUS—Florida.—(*White Flowering Dogwood*)—An ornamental, spreading, irregular tree producing large, white flowers in spring and rich crimson foliage in autumn. Each 15c, large 35c.

Stolonifera.—*Red Twisted Dogwood.*—A strong growing shrub with clusters of fine white flowers, the stems and branches turning blood-red in winter. Very conspicuous and ornamental. Each 15c, large 30c.

CYDONIA—Japonica.—(*Japan Quince*)—Bright scarlet crimson flowers. Blooms early in spring. Fine for specimen plants on the lawn or for hedges. Each 35c.

FLOWERING ALMOND—Double Pink.—One of the earliest flowering and most shrubs. Loaded with double pink flowers which attract attention. Large, 35c.

Double White.—Like above, but with snowy white flowers. Large 40c.

ELEAGNUS—Longipes.—(*Japanese Oleaster*)—A very desirable shrub with silvery foliage and bright orange red berries of large size, agreeable flavor. Large 40c.

Fortunia.—A more upright-growing variety. Each 15c, large 25c.

PURPLE FRINGE.—A large shrub with long feathery flower spikes, giving the tree the appearance of being covered with a cloud of smoke. Each 15c, large 30c.

RHODODENDRON.—(*Rosebay*)—This is the most showy, magnificent evergreen shrub. Has broad, thick evergreen foliage of glossy richness and beautiful flowers in clusters. Not hardy in Iowa. Ea. \$1.25 by express at purchaser's expense.

HEDGE PLANTS.

BERBERIS.—(*Barberry*)—*Purple Leaved*.—A handsome hedge plant, the foliage being always clean, of a deep, rich plum color, and does not fade out in summer as do most purple leaved plants. Each 15c, doz. \$1.50 postpaid. Extra large, strong specimen plants \$5c, \$3.00 per dozen.

Thunbergii.—A very pretty variety from Japan, of dwarf, graceful habit; foliage small, changing to beautiful bright red early in fall; very showy. One of the prettiest hedge plants grown. Each 15c, doz. 1.50. Large 25c, dozen \$2.50. Per 100 \$14.00.

PRIVET—California.—A remarkably vigorous grower, of compact and regular form, and foliage is a beautiful shade of green. It will live in a sheltered situation, being almost an evergreen. The tops frequently winter kill in this latitude but it is hardy in New York State and throughout the east and south. For hedges plant 8 to 10 inches apart. Strong, one-year old plants, per doz. 75c; per 100 \$4.50 postpaid. By express per 100 \$3.00; 500 \$12.50. Extra large per doz. \$1.00; 100 \$6.00.

Amurensis.—A very hardy variety fully as handsome as the one above, with glossy leaves and almost evergreen. A very desirable hedge plant for Iowa and the north. Each 20c, doz. \$1.50, per 100 \$10.00, postpaid. By express per 100 \$8.50.



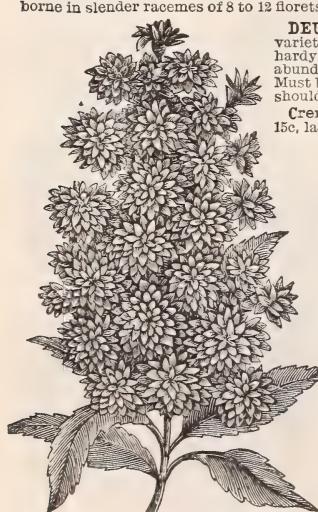
HYDRANGEA PANICULATA GRANDIFLORA.

FORSYTHIA—Suspensa.—(*Golden Bell*)—A fine, hardy shrub of weeping or pendulous habit; with deep green leaves and bright yellow flowers; blooms early. Each 15c, large 25c.

Fortunia.—A more upright-growing variety. Each 15c, large 25c.

PURPLE FRINGE.—A large shrub with long feathery flower spikes, giving the tree the appearance of being covered with a cloud of smoke. Each 15c, large 30c.

RHODODENDRON.—(*Rosebay*)—This is the most showy, magnificent evergreen shrub. Has broad, thick evergreen foliage of glossy richness and beautiful flowers in clusters. Not hardy in Iowa. Ea. \$1.25 by express at purchaser's expense.



PRIDE OF ROCHESTER DEUTZIA.

KEEP SOIL LOOSENED AROUND SHRUBS IF YOU WANT A VIGOROUS GROWTH.



DOUBLE BI-COLOR ALTHEA

SUMACH.—**Cut Leaved**.—A shrub of most striking appearance. Leaves are deeply cut, resembling ferns. Dark green turning to a rich red in the autumn. Each 25c, large 50c.

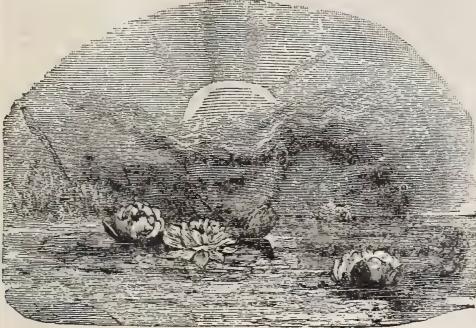
SWEET PEPPER BUSH.—(*Clethra*).—One of the handsomest of our native shrubs; pure white; delicious flowers in July and August. Each 15c.

SYRINGA.—(*Mock Orange*).—Immense masses of pure white, intensely fragrant flowers in June. Each 10c, large 25c.

SNOWBALL.—**Common**.—A well-known and popular shrub covered with dense white flowers, which gives it its name. Each 15c, large 25c.

Japan.—A valuable improvement on the common Snowball; the flowers are smaller, more numerous, frequently as many as twenty balls on a stem 18 inches long. Each, large 35c.

HOP TREE.—(*Peltia Trifoliate*).—A glossy leaved hardy shrub, bearing clusters of peculiar shaped seed pods. Large size each 30c. dozen \$2.50.



WATER LILIES.

LEMNA.—Sometimes called Duckweed. Has small, oval leaves, with rootlets hanging down in the water, and plants are produced very rapidly by off-shoots. Bunch 15c.

WATER HYACINTH.—One of the most remarkable, curious and beautiful plants. It floats in the water, forming a lovely rosette of its curious shining green leaves, and throws up spikes of most exquisite flowers. Color is a beautiful, soft, lilac rose, sparkling as if covered with diamond dust. The upper petal has large metallic blue blotches and in the center of that a small golden yellow spot. Each 15c.

PARROT'S FEATHER.—A dainty little jewel. Its trailing stems are clad with whirs of most exquisite foliage, as finely cut as leaves of the cypress vine, but more delicate. Each 15c.

CABOMBA—**or Aquaria Moss**.—This is the prettiest plant in existence for growing in aquariums, and also the most valuable. The foliage is of a beautiful light green, and the leaves spread out like a fan, which gives it the name of Fanwort. The leaves are beautifully and regularly cut and resemble a delicate lace fern. Grows all the year round, but it looks a great deal better during the fall and winter months than during the spring. It may be broken any length and roots readily. It should be weighted down so the base of stems are in the sand. Bunch of ten stems 25c, postpaid.

UMBRELLA PALM.—(*Cyperus*).—An ornamental plant, which throws up slender, round stems about two feet high, surmounted at the top by a whorl of flat, ribbon-like leaves, diverging horizontally, thus giving the plant a very curious and fantastical appearance. It is a splendid decorative plant, being as ornamental as a palm or fern, and above all it is as easily grown as the commonest weed, and will thrive in the shade as well as the sun. It is an excellent plant for the dining-room table, or as a water plant in very moist spots, or for aquariums or fountains. It should have an abundance of water, though it will grow fairly well in dry soil. We sell thousands of these plants and they are always satisfactory. Each 10c, larger 25c and 50c each.

ALTHEA.—**Double White**.—(*Rose of Sharon*).—One of the most beautiful shrubs; perfectly hardy and always satisfactory. The bushes are of neat shape, have nice foliage and would be valuable as an ornamental hedge plant even if it produced no flowers. The plant, however, is loaded with large, beautiful flowers during August, September and October. Double white flowers produced in great profusion. Large size each 30c.

Double Purple.—Like above except that the flowers are of a beautiful purple color. Each 25c.

Double Bi-Color.—Flowers white blotched with pink. Very beautiful. Each 35c.

Variegated Leaved.—The beautiful foliage of this variety attracts attention everywhere. It is a deep green, bordered with a band of creamy white. Flowers double red. Each 35c.

ROSA RUGOSA.—**Red**.—We class this fine single-flowered rose with the hardy shrubs. It makes a handsome large bush with shiny bright green leaves and the clusters of deep rose-colored flowers are produced almost continuously, followed by large, apple-shaped, bright red fruits. Large, strong plants each 40c.

White.—Similar to above, white flowers. Each 40c.

SPIREA.—**Prunifolia**.—The most popular variety of Spirea. Of symmetrical growth and bears long graceful sprays of pure white flowers in great profusion. Blooms in May. Perfectly hardy and always satisfactory. Each 10c, large 25c.

Anthony Waterer.—Makes a dwarf bush 15 to 18 inches high, covered from spring till late in the fall with large heads of crimson flowers. Very satisfactory also for borders and hedges. Each 10c, dozen 85c, large 25c, dozen \$2.00.

Van Houtte.—(*Bridal Wreath*).—The hardest of all Spireas. The bushes form fine, compact clumps; the pure white flowers are borne in such masses that they form great plumes, drooping gracefully, giving the clumps the appearance of a snowbank of white bloom. Each 15c, large 25c.

Thunbergia.—Slender, gracefully drooping branches. Single white flower. Blooms early. Each 15c, large 30c.

SAMECUS.—(*Golden Leaf Elder*).—Another year only adds to our high opinion of this handsome shrub. It is the most showy of all shrubs for the lawn. Grows to the height of about six feet and has wide-spreading branches. Leaves are of dark, dazzling yellow color. Each 15c, dozen 1.50, large 30c each.

Variegated.—Variegated green and white variety. Each 15c, large 35c.

Cat Leaved.—Elegantly divided leaves. Each 25c, large 40c.

VI BURNUM.—(*Opulus*).—(*High Bush Cranberry*).—Handsome and dense foliage; flowers white in drooping flat cymes, followed by brilliant scarlet fruit in showy pendulous bunches that remain on the plant all winter. Each 10c, dozen 85c, large 25c.

SYMPHORICARPUS.—**Racemosus**.—(*Snowberry*).—Bear small pink flowers, followed by large, white berries which hang on most of the winter. Very showy and desirable. Small plants 10c, large 25c.

Vulgaris.—(*Coral Berry*).—Like above, but with small red fruit. Each 10c, large 25c.

TAMARIX.—Foliage light, feathery, graceful; sage blue in color; blooms through summer and autumn. Each 10c, extra large 35c.

AQUATIC PLANTS.

The constantly increasing demand proves the coming popularity of aquatics. Their requirement is very simple, only sunshine, shallow water, and rich soil being necessary. Artificial ponds can easily be made or you can grow them in tubs or tanks. Most of the varieties are also adapted for growing in aquariums.

FAIRY WATER LILY.—This resembles a miniature water lily bearing white flowers the year round. Fine for aquariums. Each 15c.

WHITE POND LILY.—(*Nymphaea Odorata*).—The praises of our fragrant water lily can never be too highly sung. It has lovely, pure white flowers. Strong roots 30c each; dozen \$3.00.

PINK POND LILY.—(*Nymphaea Odorata Rosea*).—This is the famous pink lily of Cape Cod and is a grand acquisition. Very fragrant. Large roots 65c each.

YELLOW POND LILY.—(*Nymphaea Flava*).—Flowers of golden yellow color. Each 60c.

EGYPTIAN LOTUS.—(*Nelumbium Speciosum*).—A noble aquatic plant known in Egypt, India and China as the "Sacred Lotus." Has gigantic leaves of most tropical appearance, and flowers sometimes a foot in diameter. Color white shading to pink. Each \$1.25.

LUDWIGIA.—A pretty plant with smooth green leaves, variegated at certain seasons with yellow and red. It grows nicely in pots, vases and hanging baskets. Each 10c, 6 for 50c.

SAGITARIA.—A grass-like plant, quite desirable for growing in aquariums. Grows rapidly. Each 15c.



WATER HYACINTH.



CYPERUS OR UMBRELLA PALM.

HARDY VINES.

In making a home, plan for future beauty, comfort and happiness by planting a variety of hardy clematis, ornamental vines, shrubs and roses which will constantly grow in beauty and size. Such permanent improvements add greatly to the value of any property, and the value grows from year to year, so that instead of an expense they should be considered a paying investment. We prepay the postage and express charges at these prices.

AKEBIA QUINATA.—A perfectly hardy, fast-growing Japan vine, producing flowers in large clusters of chocolate purple color, possessing a most delicious perfume; unsurpassed for covering trellises and verandas; the foliage is never attacked by insects. Each 15c, large 30c.

HARDY CLEMATIS.—The most popular climbing plant of the day, and is constantly gaining in popularity, and why should it not?—as it is hardy, standing out most severe winters with but slight protection, grows rapidly and blooms freely during the entire season.

Jackmanii.—Most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy and sure to succeed anywhere. Flowers four to six inches in diameter, of a rich, deep, velvety purple, distinctly veined. It is a prince among all hardy flowering vines. It is especially adapted to open lawns or house fronts in the city or country; blooms the entire season, from July to October, bearing beautiful and lasting flowers. Strong plants, each 50 cents; extra large, three-year-old roots 75c.

Henryii.—This may be briefly described as a white flowered Jackmanii. It is the finest of all white sorts, the same size as Jackmanii. Each 50c.

Mad. Edouard Andre.—An entirely distinct and beautiful new variety being the nearest approach to bright red ever sent out. Has the same vigorous growth, hardiness and freedom of bloom as the above, while the color is a pleasing carmine red. Each 50c.

Paniculata.—This small-flowered variety of Clematis is one of our most beautiful, hardy, fall-blooming vines. The flowers which are pure snow-white, are produced in immense clusters, fairly covering the plant with a mass of fleecy white. They have a delicious fragrance. The plant is of extreme rapidity of growth. Each 15c; large, extra strong plants, 30c.

Coccinea.—A charming variety of Clematis. The flowers are bell-shaped and of a brilliant coral red color. A rapid grower and a free bloomer, flowering from June until frost. It is an herbaceous perennial growing about twelve feet high. Ea. 25c.

Virgin's Bower.—(*Clematis Flammula*).—An old-fashioned popular climber, growing to a height of 20 feet and covered with thousands of pure white fragrant flowers. The vine is perfectly hardy, rapid growing, graceful, and will succeed everywhere. Each 10c, large 25c.

APIOS TUBEROSA.

APIOS.—*Tuberosa*.—A valuable, hardy, tuberous rooted climber, resembling in miniature the *Wistaria* vine, and having clusters of deep purple flowers which have a strong violet fragrance. They grow to a great height, and bloom profusely. Plant several bulbs close together to produce a mass of vines and flowers. Each 50c; doz. 50c.

CALYSTEGIA.—An excellent, rapid-growing hardy vine, coming up from the roots each year. It bears a profusion of beautiful double pink flowers. Each 15c; doz. \$1.50.

BIGNONIA.—*Radicans*.—(*Trumpet Creeper*).—Another old-fashioned hardy climber. It has clusters of large, trumpet-shaped crimson orange flowers. It grows in almost any soil and under trying conditions; hardy. Each 10c, large plants 25c.

BITTER SWEET.—A native climbing or twining plant; large leaves, yellow flowers, orange capsuled, scarlet fruit. Each 10c, large 25c.

CINNAMON VINE.—This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon, and is very appropriately called the Cinnamon Vine. Perfectly hardy, the stems dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. With its beautiful heart-shaped leaves, clusters of delicate white flowers and delicious cinnamon odor it is a most desirable climber. We have always been short of these, but this year grew about 25,000 roots and hope to be able to supply the demand. We furnish the large tubers, postpaid, for 10c, 3 for 25c, dozen for 65c.

Bulblets.—Quite satisfactory but do not produce as much vine as the large roots the first year. Per dozen 15c, per 100 75c.

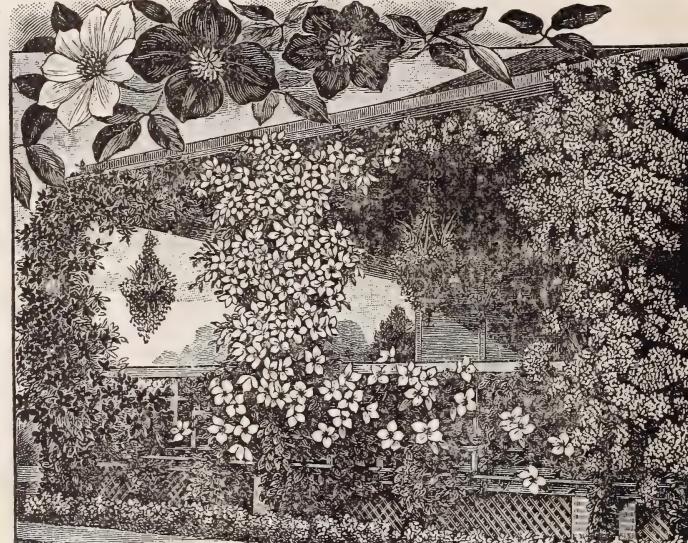
AMPELOPSIS.—*Veitchii*.—(*Boston Ivy*).—A very beautiful and hardy climbing plant. This is one of the finest climbers we have for covering walls, as it clings firmly to the smoothest surface, covering it smoothly with over-lapping foliage, giving it the appearance of being shingled with green leaves. Should be slightly protected the first winter, but after that it will be found entirely hardy in the most exposed places, attaining a height of 20 to 30 feet in two or three years, clinging to stones, brick or wood work with the greatest tenacity. It is a great protection to houses, as the leaves lapsing over each other like shingles on a roof, effectively prevent the rain from penetrating the walls. For covering dead trees, gate posts, boundary walls, etc., it has no equal. In the summer the foliage is a rich shade of green but in the fall it assumes the most gorgeous tints of crimson, scarlet and orange so dazzling as to be seen at a great distance. Each 10c, large plants 25c.

Variegated.—A sport of the above variety having beautifully variegated green and white foliage, the variegation being especially showy in the spring and early summer. Also fine for hanging baskets, vases, etc. A desirable novelty. Each 15c, large 35c.

SILK VINE.—(*Periploca Crecea*).—A beautiful, rapid growing climber, grows thirty to forty feet high; hardy. Leaves glossy and glitter like silk, therefore its name. Flowers purplish brown and borne in clusters. Each 20c, large 40c.

WOODBINE.—(*Virginia Creeper*).—A strong, rapid grower; foliage large, dark green; in autumn bronze and crimson. This is an old favorite and quite common in most localities. Valuable for covering back porches, out-buildings, arbors, etc. Each 10c, doz. \$1.25, large size 30c, doz. \$2.50.

ENGLISH IVY.—A well known evergreen climber, highly valued in the east and south, but not hardy here. Makes a nice climber for the house, and when planted in the open ground should be on the north side of a building, as it is apt to suffer if exposed to the sun in winter. Each 10c, large 25c.



LEMATIS JACKMANII.

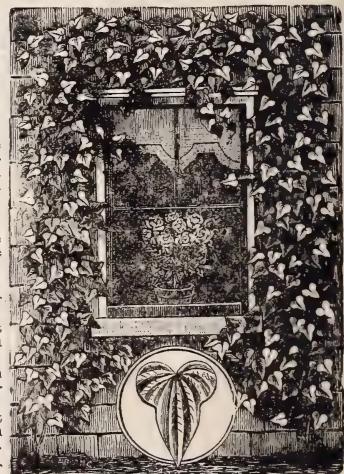
CLEMATIS HENRYI.

CLEMATIS PANICULATA.

COLLECTION.

A nice plant of each of the above six kinds of Clematis for only \$1.40 postpaid. A great bargain. Regular price \$2.00.

HOP VINE.—A vigorous, hardy, ornamental vine, useful for covering old trees, out-buildings, fences, etc. Each 15c.



CINNAMON VINE.



GLECOMA.

HARDY BLUE SOLANUM.—A hardy perennial vine of rapid growth. The handsome cut foliage makes a beautiful shade for porch, arbor and is also desirable to train along fences, etc. It is covered during the summer months with hundreds of clusters of blue flowers, brightly set off with golden stamens; clusters measuring 15 inches in circumference. The flowers are succeeded by bright scarlet berries. When you consider its handsome foliage, and beautiful flowers and berries and hardiness, it is difficult to find a more satisfactory climber. Each 15c, large 30c.

**DON'T FAIL TO TRY THE
BEAUTIFUL CAMELIA VINE.**

A perfectly hardy climber described with novelties. Each 15 cents.

VALUABLE BOOKS.

"Empty your purse into your head."

It will pay to read some of the following books, sent postpaid on receipt of price

Success with House Plants.—A practical handbook for everyone who has even a small flower garden. By Lizzie Page Hillhouse. Price 50c.

A Gold Mine in Front Yard.—By C. S. Harrison. A most interesting and instructive book on beautifying the home place. Cloth, 280 ges. price \$1.00.

Fruit Harvesting, Storing and Marketing.—By F. A. Waugh. Price \$1.00.

Henderson's Gardening for Profit.—New edition. By Peter Henderson. \$1.50.

The A. I. C. of Potato Culture.—By T. B. Tarry. Price 45c.

Tomato Culture.—By A. I. Root. 135 pages. Price 35c.

Vegetable Gardening.—By S. B. Green. A most practical up-to-date book. Every market gardener should have a copy. 220 ages. Price \$1.00.

Fitz's Sweet Potato Culture.—Cloth. Price 60c.

E. P. Rose's Play and Profit in My Garden.—Price \$1.00.

Amateur Fruit Growing.—By Sam'l B. Green. A practical guide for growing all small fruits and fruit trees. 140 pages. Price 25c.

How to Grow Mushrooms.—Price 10c.

POPULAR FIFTY CENT BOOKS.

By practical men

Cabbage Cauliflower and Allied Vegetables.—By C. L. Allen. Cloth 50c.

New Onion Culture.—How to produce big crops. By T. Greiner. Price 50c.

Asparagus Culture.—A quite complete book. By F. M. Hexamer. Price 50c.

Canning and Preserving.—By Mrs. S. T. Rorer. Price 50c.

Landscape Gardening.—By F. A. Waugh. Price 50c.



ARISTOLOCHIA.

GLECOMA.—(Variegated Ground Ivy.)—The foliage is a bright green, marked with pure white and has a refreshing fragrance similar to mint. Graceful and beautiful for hanging baskets. Entirely hardy when planted out and makes an ornamental, dense mat on the ground. Each 10c, doz. 75c.

ARISTOLOCHIA.—(Dutchman's Pipe Vine.)—The well-known, vigorous and rapid-growing climber used so extensively for archways or verandas. It takes its name from the singular brownish-colored flowers, resembling in shape a pipe. The leaves are heart-shaped and retain their color from early spring to late fall. Each 40c.

CHINESE KUDZU VINE.—(or Jack-In-The-Bean-Stalk Vine.) The phenomenal growth of this new Chinese hardy vine can hardly be imagined—sometimes 12 inches a day. The large leaves of bright green afford a dense shade. The clusters of rosy-purple, pea-shape flowers, 6 or 7 inches long, are very fragrant, invaluable for rapidly covering arbors, verandas, fences, dead or old trees, rockeries, etc. Perfectly hardy; 50 to 75 feet when well established. Fine seedling plants, each 20c; doz. \$2.00.

HONEYSUCKLE.—Red Coral.—A shrubby climber and one of the most satisfactory of all plants. Has been a favorite for many years. The odd shaped foliage is showy and attractive and it produces its bright red, fragrant, trumpet-shaped flowers almost continuously. Nice for a hedge or for training over a residence. Each 15c, doz. \$1.50. Large plants 25c.

Halliana.—(Hall's Japan.)—For real vine vines to climb over your windows and doorways there is nothing prettier than the Honeysuckles, and the Halliana is considered by many the sweetest and most beautiful of all. It is a strong, rapid grower, perfectly hardy and almost an evergreen even in this severe climate. Blooms constantly and profusely from June to November. Flowers pure white changing to yellow, and of peculiarly delicious fragrance. Excellent for trellises or pillars. Foliage is bright, glossy green and makes a dense shade. Each 10c, doz. \$1.00; large two-year-old plants 20c.

Golden Leaved.—Slender, moderate grower; leaves beautifully veined and netted with clear yellow, so that the prevailing color of the foliage is bright yellow; flowers yellow and sweet-scented; fine for pillars and trellises. Each 15c, large 35c.

WISTARIA.—Blue Chinese.—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, climbing to a height of fifty feet; when covered with bloom it is magnificient. Each 15c; large 35c.

CHINESE MATRIMONY VINE.—A vigorous growing shrubby climber which is perfectly hardy and desirable for training on trellis, wall or fence. Every new shoot becomes filled with small purple flowers, which are followed by brilliant scarlet berries which remain on the vine until late in the winter. Although the flowers are not showy, the long stems droop gracefully and make an admirable covering for the porch. Each 10c, large 25c.

COLLECTION Ten Hardy Vines, all different, our choice of varieties, but all desirable. **\$1.50**

CLIMBING ROSES

If our customers only realized the importance and satisfaction there is in growing the climbing roses we fear that it would be impossible to supply the demand, although we have grown many thousands of plants for this year's trade. Notice the descriptive list of roses on page 82.



HARDY PERENNIAL PLANTS.



PEARL ACHILLEA.

of the woods. Many handsome colors.

ASTILBE Japonica.—Hardy everywhere, growing about two feet high, in compact shape, with handsome foliage, from above which rise its panicles of small, feathery white blossoms, the embodiment of grace and delicacy. Give a half-shaded position. Each 15c.

ANEMONE.—"Hirlwind."—This beautiful Japanese Anemone has proved one of the finest hardy full-blooming plants in cultivation, growing to a height of three feet, and holding up on stiff stems double flowers from $2\frac{1}{2}$ to 3 inches across, of pure white, and heavy waxy texture. A large bed of this is worth going miles to see, and the large, graceful flowers are unexcelled for cutting. Each 15c.

Queen Charlotte.—Similar to above but earlier and of beautiful shell pink color. An early flowering pink Anemone. Each 15c.

ASPLEPIAS.—*Tuberosa.*—(*Butterfly Weed*)—Bright orange flower; showy and beautiful. Each 15c.

BABY'S BREATH or MIST.—*Gypsophila paniculata.*—Possesses a grace not found in any other perennial, and when in bloom forms a symmetrical mass two to three feet high, of delicate white flowers giving it a beautiful gauze-like appearance. For cutting purposes it is exquisite, especially in combination with high-colored flowers. Each 10c, doz. \$1.00.

BOLTONIA.—*Asteroides.*—A beautiful native plant, growing 4 feet high, producing white, aster-like flowers. Each 15c.

IRIS.—*Japanese.*—(*Kaempferi*)—These magnificent Iris are among the most beautiful of our summer flowering plants. Of immense size and beautiful colors. Think of a plant setting up to a height of three feet a dozen flowering spikes, each spiraling two to four blossoms, eight or ten inches across, and of most beautiful colors, marking all combinations—white, indigo, purple, bluish, yellow, etc. Once they are planted in your garden they are a joy for a lifetime, blooming profusely in June and July. Double and single mixed. Each 15c, doz. \$1.25.

GERMAN.—The true "Fleur-de-Lis" the national flower of France. Perfectly hardy, thrives anywhere, grow and bloom luxuriantly, particularly if plentifully supplied with water, or in moist situations. We can furnish all the best standard varieties. Each 10c, doz. 85c.

Siberica.—A favorite small flowered variety with white and blue flowers. Each 10c, doz. 60c.

Fumula.—A dwarf, early blooming variety, quite desirable for borders and edgings. Mixed colors. Each 5c, doz. 50c.

CRIMSON EYE HIBISCUS.—This elegant Hibiscus is a robust grower, with dark red stems and foliage. The flowers are immense in size, often measuring twenty inches in circumference. The color is of the purest white, with a large spot of deep velvety crimson in the center of each flower. It will succeed anywhere and is perfectly hardy. Each 15c, dozen \$1.25; extra large 30c each.

GRASc PINKS.—The hardy and pretty clove-scented flowers which our grandmothers loved. The fragrance is quickly noticed by anyone passing by the yard where they are growing, before seeing the flowers. Flowers are double, semi-double and single, and range from pure white to dark pink and red. Each 10c, dozen \$1.00.

PARDANTHUS.—*(Blackberry Lily.)*—Quite curious and handsome. Flowers orange colored spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters like a blackberry in size, shape and color. Each 10c, dozen 85c.

GAILARDIA.—*Grandiflora.*—These are among the showiest and most effective of hardy perennial plants; beginning to flower in June, they continue one mass of bloom the entire season. They will thrive in almost any position or in any soil, but respond freely to liberal feeding. Being perfectly hardy, they require absolutely no protection, taking care of themselves. The flowers are large, from $2\frac{1}{2}$ to $3\frac{1}{2}$ inches in diameter. They are produced on long stems, excellent for cutting and of gorgeous coloring. Center is dark reddish brown. Petals brilliant scarlet, crimson, orange and vermillion. Each 15c, doz. \$1.50.

It is really wonderful the immense demand which there has been for these hardy plants during the past few years, our trade in this line multiplying fourfold every year. Our customers are learning that they require less care and are more satisfactory with ordinary culture than most other classes of plants. When once set out they bloom year after year, the flowers really becoming better as the plants grow older. These varieties are all hardy, the tops dying down every winter, but coming up again in spring. Cover with leaves or litter after ground is frozen. We prepay postage on all of these and you may select \$1.25 worth at the single rate for \$1.00.

ACHILLEA.—*The Pearl.*—Beyond question the finest of all plants for cemetery plantings. The flowers are good-sized, forming a beautiful plant eighteen inches high, completely covered with pure white flowers from July until frost. We cannot too highly recommend this for general planting. Cut shows one of the heads of bloom which cover the plant. Each 10c, doz. 75c.

Milifolium Roseum.—Finely cut, deep green foliage. Bears a mass of handsome, bright pink flowers in heads or umbels. Well worth growing, both as a border plant and for cutting. Each 12c, per doz. \$1.50.

AQUILEGIA.—These beautiful flowers, often called Columbines, are always beautiful and attractive, reminding one of the woods. Many handsome colors. Each 15c, dozen \$1.25.

CANTERBURY BILLS.—We can furnish both double and single in assorted colors. Each 15c, doz. \$1.25.



ANEMONES.

BLUE BELLS.—No one can help loving the beautiful "Blue Bells of Scotland," and they are just as beautiful when grown here. Poets have sung their praises more than almost any other flower. Each 15c, doz. \$1.25.

CAMPANULA.—Assorted colors. Each 10c, doz. \$1.00.

DAY LILY.—*White.*—(*Funkia*)—A very beautiful plant for partly shady places. Large, round, heart-shaped leaves, clusters of fragrant lily-shaped white flowers. Each 15c, doz. \$1.50.

Blue.—Like above only flowers are of a lovely blue color, borne on tall spikes. Each 15c, doz. \$1.25.

Variegated.—Beautifully mottled dark green and pure white leaves, lily flowers. Each 20c, doz. \$2.00.

DICENTRA.—*Spectabilis.*—The old Bleeding Heart, as lovely as ever. In early spring it bears its long chain of pendulous bloom of exquisite beauty. Each 15c, doz. \$1.40.

LYCHNIS.—An old favorite, bearing large heads of bright flowers. Each 15c, doz. \$1.40.



JAPANESE IRIS.



GAILARDIA GRANDIFLORA.



LARGEST STOCK AND GREATEST VARIETY OF ROSES IN THE ENTIRE WEST. SEE LIST ELSEWHERE.



RUDBECKIA OR GOLDEN GLOW.

HARDY PHLOX.—We know of nothing in hardy perennials more showy or effective than a fine collection of hardy phloxes, and the new and improved varieties that have been introduced recently will add very much to their popularity. Flowers are very large and have exceeding brilliant shades of color. They bloom from June until very late fall.

Fringed Queen.—A novelty and the most beautiful pure white variety ever sent out. The trusses or flower heads are of immense size and each floret is large and beautifully fringed or feathered. Ea. 20c.

Pearl.—Best pure white variety. Large beautiful flowers. Ea. 15c. Divided field roots. Ea. 25c.

Amphion.—Deep purplish crimson. Each 15c.

Coquelicot.—A glowing orange red with violet eye. Each 20c.

Atala.—Clear dark pink with light center. Each 10c.

Peachblow.—Beautiful delicate pink with white markings. Each 15c.

Wm. Robinson.—Rosy salmon, Ea. 15c.

Amoret.—White overlaid with lilac. Center rosy crimson. Each 10c.

Bayard.—Attractive new variety. Bright rosy lilac. Each 15c.

Champ. Elysee.—A dark rich crimson. Ea. 15c.

Eclaireur.—A very handsome variety with unusually large flowers of purplish crimson, surrounded with a white halo. Each 15c.

Henry Murger.—An extra fine variety, having large white flowers, with very large crimson center. Each 15c.

Mixed Varieties.—A fine assortment. Each .0c, doz. 85c. Large field grown clumps, each 25c.

ANTHEMIS—Golden.—A fine yellow flowered perennial; a continuous bloomer the entire summer notwithstanding both wet and dry weather. The flowers are of the exact form of a Marguerite daisy but clear yellow. Each 15c.



BLUE SPIRAEA.

RUDBECKIA, or Golden Glow.—A glorious new hardy plant that should find a place in every garden. It is of fine habit; vigorous growth, with early, continuous and immense blooming qualities. The stems are long and gracefully poised. It attains a height of six to eight feet, and a small plant set out in the spring will produce hundreds of blossoms during August and September, each one as large as a good sized chrysanthemum. It is of easiest culture and sure to please all. Nice for a screen row at back of lawn. Price 10c, dozen \$1.00.

PHLOX—Sublata.—(*Moss Pink*.)—

One of the finest of low, turf-growing plants, fine for carpeting under trees, around rock-work, edging beds, etc. Early in spring is very showy with its cloud of bright pink, light blue and white blossoms. We do not understand why this is not more widely grown, it is itself. Three varieties. each 10c, dozen \$1.75.

HOLLYHOCKS.—These old favorites are again becoming quite popular and they are both showy and desirable for backgrounds and massing. Choicest varieties; mixed colors. Strong plants. Each 15c, doz. \$1.50. Large clumps each 35c.

PERENNIAL ASTER.—Very showy, strong growing and free flowering, presenting a mass of small bright rosy pink flowers in large clusters during late summer and autumn. Each 10c, doz. \$1.00.

IBERIS—Semprevirens.—(*Perennial Candytuft*)—A dwarf plant producing clusters of handsome flowers. Each 10c, doz. 90c.

MYRTLE.—**Green.**—A handsome trailing plant largely

used for cemetery planting. Has beautiful, glossy, dark green leaves forming a mat over the surface of the ground. Flowers heavenly blue. Each 10c, doz. 90c, \$6.00 per 100.

MONARDIA—Didima.—(*Osceola Tea*.)—Flowers bright scarlet, produced in spikes. Each 10c, dozen 75c.

HELIANTHUS—Multiflorus Plenus.—A plant that should be in every garden, and one that will give entire satisfaction. The flowers are from 3 to 4 inches in diameter, as double as any Double Dahlia, and cover the plant from the ground to the top. Color a bright golden yellow. It should have a sunny position and a rich soil. Each 15c, dozen \$1.25.

FOXGLOVE.—These are among the most satisfactory of the summer-flowering hardy perennials, succeeding under almost all conditions, and with but trifling attention will give a wealth of flowers during June and July. They are used extensively with good effect in shrubberies and other shady situations. Each 10c, doz. \$1.00.

EULALIA—Zebrina.—A stately ornamental grass for the lawn or hardy border. The variegated foliage is evenly striped crosswise with broad bands of golden yellow; hardy; produces 50 to 100 plumes. Each 25c.

COLUMBINE.—The Columbines are old favorite late spring and early summer blooming plants, growing about two feet high, that succeed in any ordinary garden soil. The varieties offered are a selection of best kinds. Ea. 15c, doz. \$1.25

HARDY PERENNIAL PHLOX.
DELPHINUM—Formosum.—(*Hardy Larkspur*.)—Its long spikes of bright blue flowers are produced continually from June until frost. Handsome in clumps. Each 15c, doz. 85c.

STOKESIA—Cyanea.—Produces showy Aster-like deep blue flowers which measure from 4 to 5 in. across. Each 15c, doz. \$1.50.

HARDY GARDEN PINKS.—Dwarf hardy plants that will grow anywhere and increase in beauty every year. Delightful clove-like fragrance.

Her Majesty.—A grand variety; plants grow to large size, spreading and producing immense numbers of pure white, double flowers. Ea. 10c, doz. \$1.00.

White Reserve.—Pure white, fringed. Ea. 10c
Mary Gray.—Reddish purple with narrow white lacing. Each 10c; doz. \$1.00

Sour de Sale.—Soft rosy pink, very double. Each 15c.

Abbotsford.—Deep carmine, marbled with white; rich clove fragrance. Each 10c; doz. 85c.

Gertrude.—White with maroon markings. Each 10c.

Aristocrat.—A single or semi-double fringed variety. Salmon pink, flushed crimson. Each 10c; doz. 85c.

Mixed Varieties.—Desirable for large beds or borders. Per doz. 65c; 100 for \$4.00.

Large field grown clumps assorted, unnamed varieties of Garden Pinks. 25c each. \$2.00 per dozen.

WE SHIP EVERYWHERE.

Ningpo, China, June 3, 1907.—The plants, bulbs and seeds which you shipped over six weeks ago have just come to hand in splendid condition, all alive, growing and doing well. Many thanks.

J. J. McGrath.



PHLOX SUBLATA OR MOSS PINK.
PHLOX SUBLATA OR MOSS PINK.

WE INVITE FLOWER LOVERS TO VISIT OUR TRIAL GROUNDS—12 ACRES OF FLOWERS.



HARDY GARDEN PINK.

PÆONIES.



FESTIVA MAXIMA PÆONY.

SWEET WILLIAM.—Well known, free blooming, hardy perennial plants which produce masses of lovely, brilliant, sweet scented flowers through a long period, making a splendid effect in beds. One foot high. Flowers borne on heads or umbels, with individual flowers nearly an inch across. Color white, pink, crimson, carmine, purple, etc., with eyes and rich markings. Each 10c, doz. 85c.

POPPY.—Iceland.—Fern-like foliage and bear an immense number of elegant flowers. Each 15c, doz. \$1.25.

Oriental.—Mammoth flowers of gorgeous colors. Each 15c, doz. \$1.25.

SPRAEA.—Blue.—(*Caryopteris*)—A handsome shrubby plant from China. Color a beautiful azure blue; a fine plant for pots or open ground. Bloom from mid-summer until heavy frosts. Each 20c.

SAPONARIA.—(*Bouncing Betsy.*)—Old fashioned perennial with pink flowers. Each 10c, doz. 75c.

STRIPED RIBBON GRASS.—The common striped grass, no two leaves alike. Pretty in clumps or borders. Each 10c, doz. 75c.



SWANLEY WHITE VIOLET.



GRANDIFLORA RUBRA PÆONY.

TRITOMA.—Pfitzeri.—Sometimes known as Flaming Torch or Red Hot Poker Plant. At floral exhibitions and when sent as cut-flowers to market, this plant attracts great attention. It grows from 3 to 4 feet high, the flower measuring 12 to 15 inches long; they are of dazzling scarlet, lower half of flower tinged with rich orange. Each 20c, doz. 50c.

VIOLETS.—Of all perfumes that of violet is no doubt the most delicate and pleasant and easily places these modest little blue flowers among our greatest favorites. Violets grow and bloom freely if given a cool situation, but will not succeed in a warm place, and should be well covered to insure protection during the winter.

Swarley White.—Unquestionably the finest double variety in existence and is a decided acquisition. Plants are of vigorous growth, producing a great many of the pure, snowy white, double flowers. It has such a delightful odor that it has been called the "Queen of Fragrance." Each 10c, doz. \$1.00.

Lady Campbell.—One of the best, with fine large double flowers of deep, rich purple color. Each 10c, doz. \$1.00.

Marie Louise.—To contrast with the white we offer this, the finest double blue violet grown. Color deep violet blue; very fragrant; continual bloomer. It is of easy growth. Each 10c, doz. \$1.00.

California.—Grand single variety. A sturdy grower, dense, heavy foliage, free from disease. Flowers fragrant, a clear unfading violet purple. Flowers are large and borne on stems ten to twelve inches long. Hardest of all. Each 10c, doz. \$1.00.

Princess of Wales.—Broad, pansy-like flowers of a beautiful violet purple shade, with lighter center. A vigorous growing plant with clean, healthy foliage and stiff, long stems. It is one of the most beautiful and free flowering violets. Each 10c, doz. \$1.00.

YUCCA FILAMENTOSA.—(*Adam's Needle.*)—Tropical looking plant with long, narrow leaves; remains green the entire year. Grows in clumps and throws up a flower stalk from 3 to 4 feet high, from which hang from 100 to 300 creamy white bell-shaped flowers. It blooms a long time. Each 15c, doz. \$1.50; strong 2-yr. plants 30c. Other named Peonies, our selection of varieties, for only \$1.00.

Grandiflora Rubra.—Extra large perfect balls of pure blood red, magnificent flowers. Probably the largest red variety in existence, often 8 or 9 inches across, and so double as to appear like perfect balls. Give it rich soil and you will be surprised. Each 50c, dozen \$4.75.

Double White.—Large double flowers which appear to be pure white on the bush, but really have a light creamy tint. Each 35c, dozen \$3.50.

Rubra Triumphans.—An early blooming, very sweet-scented flower of rich, brilliant, glowing, satiny crimson color. Each 25c, doz. \$2.00.

Fine Mixed.—This mixture contains many of the choicest American and foreign sorts, but as we have a very large stock we offer them at only 20c each, \$2.00 per doz., \$12.50 per 100, charges prepaid.



YUCCA FILAMENTOSA.

PAEONY COLLECTION.—One root of All-a-Glow and five other named Peonies, our selection of varieties, for only \$1.00.

BEAUTIFUL LILIES.

NOTHING can surpass the Lily in beauty, purity, delicacy and stately magnificence. A few clumps planted in some place in your yard where they will not be disturbed from year to year, will reward you with abundant flowers. These varieties are, perhaps, the most popular lilies grown, being of easy cultivation, and producing large flowers of delicate beauty on strong stems. Bloom better the second year and thereafter.

AURATUM.—(*Japanese Gold-Banded Lily*)—This is justly entitled to the name often given it, "The Queen of Lilies." The immense flowers are produced in great profusion and are deliciously fragrant. The large white petals are thickly spotted with rich chocolate crimson, and have a bright golden yellow band through the center of each. Each 20c. doz. \$1.75; extra large bulbs each 30c. doz. \$2.75.

SPÉCIOSUM RUBRUM.—These are perhaps the most popular Lilies grown being easy of cultivation and produce large flowers of delicate beauty on strong stems; height from 2 to 4 feet. Blooms in August. Flowers are white, with a deep rosy or crimson band on each petal, with deeper colored spots between. They are 5 to 6 inches in diameter, very fragrant, and have all the hardiness of the Speciosum class. Each 15c. 3 for 40c.

SPÉCIOSUM ALBUM.—Has large white flowers of great substance, beautifully recurved. Each 20c. 3 for 50c.

TIGRINUM SPLENDENS.—An improved Tiger Lily growing sometimes six feet high, and producing large pyramids of orange red flowers spotted with black. Each 10c. doz. \$1.00.

LONGIFLORUM.—(*Easter Lily*)—This mammoth white trumpet Lily, with flowers 4 to 5 inches long, is one of the best Lilies for winter blooming, because its grand trumpet-shaped flowers, which give forth a delicate perfume, are wonderfully beautiful and expressive. When planted in the open ground they should be protected during the winter. Each 20c. 3 for 50c.

THUNBERGIA ELEGANS.—A strong grower, dense foliage, 3 feet high, flowers upright, cup-shape, and borne in clusters of 5 to 12. Color a dark orange, spotted brown. Perfectly hardy. Each 15c. 3 for 40c.

DOUBLE TIGER LILY.—A double form of the old Tiger Lily. The flower is densely double, color orange-red, spotted with black. Blooms freely and should be more largely grown. Each 15c. doz. \$1.33.

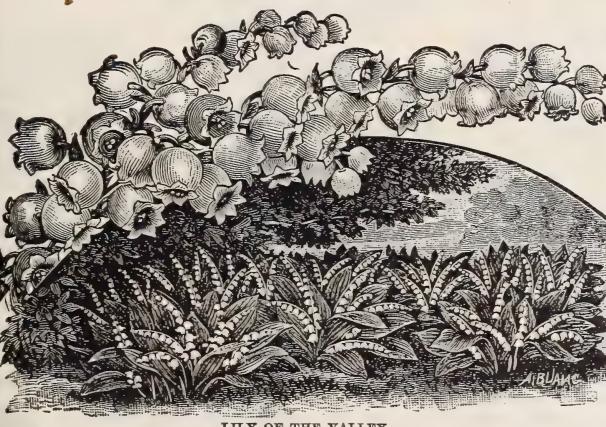
TENUIFOLIUM.—The lovely Coral Lily of Siberia, brightest of all lilies, of shining coral red color. Foliage finely cut. This is indeed little beauty. Each 15c. doz. \$1.50.

LILY OF THE VALLEY.

A well known and universally admired spring flowering plant, bearing bell-shaped, freely produced and powerfully fragrant flowers. To grow in open ground, select a partly shaded rather moist situation, and they are charming when grown in large patches as their handsome green leaves and lovely sprays of flowers make a beautiful effect together. When once planted and established the crowns increase in number and the larger ones flower each year without attention. Now is the time to set out a bed of these delightful flowers. Our price is low for choice stock such as we send out. Four strong roots for 15c. doz. 35c.



DOUBLE TIGER LILY.



LILY OF THE VALLEY.

WINTER BLOOMING BULBS.

Some of the most beautiful and fragrant of all the flowers grown belong to this class, and when potted in the house, they come in bloom just at the time when flowers are most wanted and most difficult to obtain. Our bulbs arrive from Holland about Sept. 15th. The best way is to order during the spring or summer, then your order will be filled as soon as bulbs are received. We name only a few kinds here. You should send for fall catalogue which contains a full descriptive list. Ready September 1st.

HYACINTHS.—Beautiful fragrant flowers for winter blooming in the house or bedding in the garden. Either double or single mixed. Each 7c. doz. 75c.

WHITE ROMAN HYACINTHS.—For winter forcing. Each 5c. doz. 55c.

CROCUS.—Fine for borders. Mixed colors. Doz. 10c.

DAFFODILS.—*Von Sion*.—The true double yellow. Each 4c. doz. 35c.

NARCISSUS.—*Paper White Grandiflora*.—Each 4c. doz. 40c.

NARCISSUS.—*Poeticus or Pheasant's Eye*.—Each 3c. doz. 20c.

TULIPS.—Double or single mixed. Each 4c. doz. 30c.

SCILLA SIBERICA.—Each 4c. doz. 35c.

CHINESE SACRED LILY.—Each 15c. doz. \$1.40.

SNOWDROPS.—Single—extra fine bulbs. 15c per doz. Double—extra fine bulbs, 25c per doz.

FREESIAS.—Each 3c. doz. 20c. *Mammoth*,—Each 5c. doz. 45c.



REMEMBER THAT BULBS CAN BE KEPT THROUGH THE WINTER AND YOU DO NOT HAVE TO BUY NEXT YEAR.

MELPOMENE.—Words cannot describe the beauty of this variety. Frosted white, spotted, clodpled and bearded with pinkish crimson. Petals recurved and widely bordered. Each 20c. 3 for 50c.

CANADENSE.—A handsome native variety which has drooping bell-shaped yellow and red flowers. Each 15c. doz. \$1.25.

ORANGE LILY.—(*Hemerocallis Demortieri*).—Similar to Lemon Lily, but of fine orange color. Each 15c. doz. \$1.50.

Lily Collection

One nice bulb each of the

Auratum,
Rubrum,
Album,
Longiflorum and
Melpomene Lilies
for only 75-cents postpaid

NURSERY STOCK

Nothing is more beautiful and healthful than fruit, and nothing more easily grown. No farm, garden or city lot is complete without a few fruit trees and small fruit plants. It is essential that you secure good plants and trees in order to grow good fruit. We aim to send out only the very best stock, which with care in planting and cultivating will surely give satisfactory results. The following prices are all for first-class stock, carefully packed for shipping. Fifty or more of any variety at the hundred rate. Where quoted "by express" the purchaser is to pay transportation charges by express or freight. Orders for nursery stock must amount to at least 50 cents. Ask for special prices on large orders, sending list of wants.

RASPBERRIES,

NEW CARDINAL.—This wonderful berry surprises all by its great growth, extreme hardiness, exceeding productiveness and the unusual richness of its pure flavored, large purple berries. Leading horticulturists everywhere have pronounced it one of the fruit wonders of the century and the most profitable of all sorts. Each 20c. dozen \$1.25, prepaid. By express per 100 \$2.75.

CUMBERLAND.—One of the best blackcap variety. It is of very large size, good quality, firm and handsome, and an excellent shipper. Plants vigorous and hardy, productive and free from disease. Each 20c. dozen \$1.25, \$1.25 prepaid; by express per 100 \$2.50.

KANSAS.—Ripens about one week earlier than Gregg. Fruit large and firm. Valuable as a home or market variety. Each 15c. dozen \$1.00, prepaid. By express per 100, \$2.00.

GREGG.—Hardy and excellent. Has been the leading blackcap variety for many years. Each 15c. dozen 75c. prepaid. By express per 100, \$2.00.

HAYMAKER.—Purple red color cap, not so dark as Columbia or Shaffer, but larger and firmer than either of these varieties; never crumbles and stands up well in shipping. Considered the best purple cap yet introduced. Roots from the tips. Each 25c. dozen \$2.00.

STRAWBERRIES.

Perfect flowered varieties are marked (s); the imperfect marked (p). Must have perfect flowered sorts planted with them or they will not fruit. Ask for price by the thousand.

NEW HOME.—On our trial grounds this has proven to be the best of all varieties for home growing. It is of large size, handsome shape as shown in our illustration, of bright red color, which does not lose its luster or turn dark after being picked a long time. Per doz. 50c, per 100 \$2.00 postpaid. By express per 100 \$1.75.

CLIMAX.—One of the most desirable family varieties. Large size, very productive and of good quality. Per doz. 40c. per hundred \$1.75. By express per 100 \$1.50.

SAMPLE (p).—Of large size, fine shape, good quality. It has been claimed that it produced 16,000 quarts per acre. The season for ripening is long, and it holds its size well to the last picking; also does well in matted rows. Per doz. 40c, per 100 \$1.75 postpaid. By express per 100 \$1.50.

CLYDE (s).—One of the most popular varieties in the west. It is of vigorous growth and very productive. The berries are a deep scarlet in color and moderately firm. Decidedly the best early sort. Per doz. 40c, per 100 \$1.25 postpaid. By express, per 100, \$1.00.

ing until quite late. It is unsurpassed in quality; claimed to be the best all round variety yet introduced. Per dozen 40c, per 100, \$1.50 postpaid. By express per 100 \$1.00.

BISMARCK (s).—This resembles Bubach, of which it is a seedling, but is not quite so large, but much better in shape, color and quality. It is very productive and ripens late in the season. Per doz. 40c, per 100 \$1.25, postpaid. By express per 100 \$1.00.

SEAFORD (p).—Of extraordinary merit. Begins ripening early and continues late. A most excellent variety for home use. It is a deep, glossy crimson, of excellent quality. The plant is an exceptionally vigorous grower. Per doz. 40c, per 100 \$1.25 postpaid. By express per 100 \$1.00.

WARFIELD (p).—This is one of the best known market berries, of medium size and excellent quality and a good shipper, and maintains its size well throughout the season. Per doz. 25c, per 100 \$1.00 postpaid. By express per 100, 75c.

BEADERWOOD (s).—One of the best varieties for planting with Warfield or Crescent, as it produces a large amount of pollen. Of excellent color and a good shipper. Ripens early. Per doz. 30c, per 100, \$1.00, postpaid. By express per 100, 75c.

CRESCENT (p).—One of the old standard varieties, which will produce a large crop where other varieties would fail, as it will stand an unusual amount of neglect. The berry is of medium size and fair quality. By express per 100 75c.

NICK OHMER (s).—Very large in size, uniform in shape, dark glossy red, firm and excellent flavor. Season rather late. Per doz. 40c, per 100 \$1.50 postpaid. By express per 100 \$1.25.

BRANDYWINE (s).—Large berry, vigorous, strong grower and perfect flowered. It is fine for market, being large, firm, and of handsome red color. Per doz. 40c, per 100 \$1.25 postpaid. By express per 100 \$1.00.

PARKER EARLE (s).—One of the most vigorous and best sorts for family garden. Per doz. 50c, per 100 \$1.75 postpaid. By express per 100 \$1.50.

WM. BELT (s).—Plant large and a thrifty grower. Berry large, of brilliant glossy red color and best quality. Per doz. 40c, per 100 \$1.60 postpaid. By express per 100 \$1.40.



NEW HOME STRAWBERRY.

IF YOU WANT A LARGE LOT OF NURSERY STOCK WRITE FOR PRICES.



CARDINAL RASPBERRY.

DEWBERRY.

LUCRETIA.—The best dewberry for this section. Berries much larger and better in quality than blackberries. Each 15c. dozen \$1.25, prepaid. By express per 100 \$3.00.

BLACKBERRIES.

ERIE.—One of the very best sorts. Shape as shown in illustration. Very productive. Fruit large and of fine quality. Makes a very attractive appearance on the market. Each 20c. dozen \$1.25 prepaid. By express per 100 \$3.00.

ANCIENT BRITON.—This is regarded as one of the hardiest blackberries and especially adapted to Iowa, Wisconsin and Minnesota. Each 15c. dozen \$1.00 prepaid. By express per 100 \$2.25.

SNYDER.—Extremely hardy and very productive. The standard sort for the west. Each 15c. dozen 75c. prepaid. By express per 100, \$2.00.

SENIOR DUN-LAP (s).

—A medium sized variety; very hardy, productive, a vigorous grower.

Remains in bearing.

Per doz. 30c, per 100, \$1.25.

By express per 100, \$1.00.

EDIBLE BLACKBERRY.



CLYDE.

Per doz. 25c, per 100 \$1.00 postpaid.

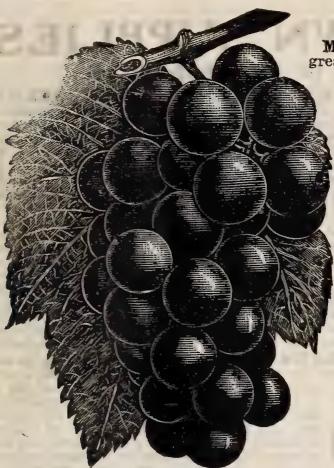
Certificate No. 60, State of Iowa
CERTIFICATE OF NURSERY INSPECTION

Office of State Entomologist, Ames, Iowa,

This is to Certify, That in accordance with Chapter 53 of the Acts of the Twenty-seventh General Assembly, as amended by the Thirty-first General Assembly, the nursery stock for sale by the Iowa Seed Company, of Des Moines, Iowa, has been inspected by a duly authorized inspector and has been found apparently free from dangerous and injurious insect and plant diseases. This Certificate is invalid after July 1, 1908.

H. E. SUMMER,
State Entomologist.

GRAPES



MOORE'S EARLY.

PEARS.

Any of the following by express, each 50 cts.; per doz. \$4.00.

KIEFFER.—Large, rich colored and good quality. Excellent for canning; will keep until winter. Hardy.

BARTLETT.—Large size of excellent quality. One of the leading varieties.

SECKEL.—Small, but of excellent quality; very hardy.

PEACHES.

Each 37 cts; per doz. \$2.50. Not prepaid.

CHAMPION.—Fruit large, beautiful in appearance, excellent flavor, skin creamy white with red cheeks, extremely hardy with freestones.

CROSBY.—Medium size, bright orange yellow, streaked with carmine. One of the best standard sorts and claimed to be the hardest of all peaches. Ripens in September.

CRAB APPLES.

TRANSCENDENT.—Medium size, golden yellow, rich, crimson red cheeks; hardy and an abundant bearer.

HYSTROP.—Large, produced in clusters. Color dark rich red. Late.

WHITNEY NO. 20.—Red striped. Fruit of medium size. Flesh firm and juicy. Early.

Each of above 35c, doz. \$2.75, by express.

APPLES.

Price 25c each; \$2.50 per doz. Purchaser to pay transportation charges. Ask for prices by the hundred.

EARLY VARIETIES.

YELLOW TRANSPARENT.—Early, fine quality, juicy and sub-acid. **BENONI.**—Medium size, red, tender, juicy product.

RED JUNE.—Medium, of excellent quality.

DUCHESS.—Good size, very early, rich, juicy fruit.

AUTUMN VARIETIES.

MAIDEN'S BLUSH.—Beautiful blush cheek, large. **DYER.**—Light yellow, excellent quality. **FAMEUSE.**—(or Snow Apple).—Medium size, striped with deep red; flesh very white, juicy, excellent quality. **SWEET SWAAR.**—Large, yellow, tender, spicy.

WINTER VARIETIES

WEALTHY.—Large red, showy, sub-acid, and productive. **MAMMOTH BLACK TWIG.**—Resembles Winesap, but is from one-third to one-half larger; very vigorous, strong grower. Productive, good quality and hardy.

INGRAM.—Is from the seed of Rawle's Janet, but is larger; tree very productive; valuable for a long keeper. **BEN DAVIS.**—Large, handsome, standard western variety for market. **GRIMES' GOLDEN.**—Good size, yellow, of highest quality, very productive. **JONATHAN.**—Medium, red, extra quality. **GANO or BLACK BEN DAVIS.**—An improved Ben Davis, nearly covered with deep dark red.

RAWLE'S JANET or GENETIN.—Medium size, yellow striped with red. Rich, crisp and juicy; a long keeper.

TALMAN SWEET.—Medium, yellow like snow apple.

WAGENER.—One of the most beautiful winter apples ever grown. Supposed to be a seedling of the Northern Spy. It is much brighter red all over the skin than the flesh, being crisp, tender, aromatic.

NORTHWESTERN GREENING.—Hardy, yellow, of rich flavor and a good keeper. Price.—any of the above 25c, doz. \$2.25, by express or freight, at purchaser's expense. Ask for prices by the hundred.

MCPIKE.—This grand new sort is now pronounced the most valuable black variety ever introduced. A great improvement on the Worden. Early bunches large and compact, ripens evenly and berries are of enormous size. Each 35c, doz. \$3.00 prepaid.

CAMPBELL'S EARLY.—Strong grower with large, healthy foliage. Very productive; its keeping and shipping qualities are unequalled by any other early grape. Ripens with Moore's Early. Bunch and berry large, glossy black with blue bloom. Sweet and juicy; clusters are usually shouldered. Each 35c, per doz. \$3.50 prepaid. By express per 100 \$15.00.

MOORE'S EARLY.—Bunch large, berry very large and round, vines exceedingly hardy. A very desirable early market black variety, exceedingly hardy. Each 25c, doz. \$1.75 prepaid. By express per 100 \$5.00.

CONCORD.—The well known standard black variety. Succeeds well everywhere. Each 20c, doz. \$1.50 prepaid. By express, per 100 \$4.25.

LUCILLE.—A beautiful bright red grape, supposed to be a seedling of the Wyoming Red. Berry is very large and bunches large and compact. Is an enormous bearer of excellent fruit. Has never been known to winter kill, and is free from mildew and disease. Each 50c, doz. \$4.00.

AGAWAM.—Berries are very large, bright red, with thick skin; very vigorous grower. Fruit of good quality. Each 25c, doz. \$1.50 prepaid. By express, per 100 \$4.50.

WOODRUFF.—Of iron-clad hardness, a rank grower and very healthy. Fruit large and very attractive. Usually shouldered. Sweet and of fair quality. Ripens soon after the Concord and stands at head of list of red varieties. Each 35c, doz. \$2.50, prepaid. By express, per 100 \$8.00.

NIAGARA.—This is a leading white variety, very productive and hardy. Bunch and berries large green or white, changing to pale yellow when fully ripe; the skin thin and tough. Quality extra fine. Each 25c, doz. \$1.75, prepaid. By express, per 100 \$5.00.

BRIGHTON.—Of the best quality. Bunch and berry large, of bright red color and it is quite productive. Each 25c, doz. \$1.50.

CURRENTS.



POMONA.—The most productive and vigorous red currant ever introduced, ripens early, but remains on the bush longer than any other sort. Of remarkably fine quality. Each 20c, doz. \$1.75 prepaid.

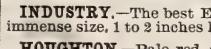
FAY'S PROLIFIC.—One of the most prolific, of excellent quality. Each 15c, doz. \$1.25 prepaid.

WHITE GRAPE.—Each 15c, doz. \$1.00 prepaid.

GOOSEBERRIES.

JOSSELYN.—A new variety of gooseberry of superior merit. Very large, hardy, productive and free from mildew. Regarded the best of recent introduction. Be sure to secure one or more plants of this variety. Each 35c, dozen \$2.75 prepaid.

PEARL.—One of the most prolific gooseberries known, very hardy, entirely free from mildew. Superior in size and productiveness to Downing. One of the best of recent introduction. Berries of immense size, 1 to 2 inches long. Each 25c, dozen \$2.25 prepaid.



KIEFFER PEAR.

very hardy, entirely free from mildew. Superior in size and productiveness to Downing. One of the best of recent introduction. Berries of immense size, 1 to 2 inches long. Each 25c, dozen \$2.25 prepaid.

INDUSTRY.—The best English sort yet introduced in this country. Berries of immense size, 1 to 2 inches long. Each 25c, dozen \$2.25 prepaid.

HOUGHTON.—Pale red, good quality and productive. Each 20c, doz. \$1.25 prepaid

DOWNING.—Large, pale green berries. Each 20c, dozen \$1.50.

PLUMS.

Any of the following sorts by express each 50 cents, dozen \$4.00.

BURBANK.—Considered by some to be the best of all the European sorts. Color clear cherry red with thin lilac bloom. Flesh deep yellow, very sweet and agreeable.

LOMBARD.—A valuable market variety, one of the most hardy and popular. Late.

FOREST GARDEN.—Large mottled red and yellow, very sweet and rich.

ABUNDANCE.—Hardest of Japanese varieties. Large, showy and fine quality.

WEAVER.—Flesh firm, red, juicy, with flavor resembling the apricot, freestone, early bearer and very productive, hardy and said to be curculio proof.

WILD GOOSE.—Large, rich, melting and delicious. Strong grower and prolific.

CHERRIES.

Price each 50 cents, dozen \$4.50 not prepaid.

EARLY RICHMOND.—Medium size, dark red, juicy acid flavor. Unsurpassed for cooking.

MONTMORENCY.—Large red acid cherry, larger than Early Richmond and about ten days later.

WRAGG.—Large, late acid variety, dark purple; very productive.

ENGLISH MORELLO.—Fine large late variety.

EVERGREENS.

Our Evergreens are all nice shaped and transplanted. Purchaser to pay express charges.

Variety.	Size.	Each	Doz.
American Arbor Vite	12 to 18 inches	\$ 30	\$ 2.50
American Arbor Vite	18 to 24 inches	50	4.00
American Arbor Vite	24 to 36 inches	75	6.00
American Arbor Vite	36 to 60 inches	100	10.00
Scotch Pine	12 to 18 inches	30	3.00
Scotch Pine	18 to 24 inches	50	4.50
Scotch Pine	24 to 36 inches	75	6.00
Norway Spruce	12 to 18 inches	40	3.50
Norway Spruce	18 to 24 inches	60	5.50
Norway Spruce	24 to 48 inches	85	9.00



SPRUCE.



IRON RESERVOIR VASES.—These are the best vases made for general use, as well as for ornametters, as they do not require watering oftener than once in ten days. The top part or earth receiver has a tube in the bottom, extending down into the water reservoir which is packed with moss or sponges through which the water is drawn up by capillary attraction so that the roots of the plants always have sufficient moisture and are never over-watered. Price \$10.00 each; larger size \$20.00 other styles \$24.00 to \$100.00 each.

PLANT TUBS.—Strong well-made wooden tubs neatly varnished or painted and quite desirable for holding large plants. 12-inch \$1.25; 15-inch \$1.75; 18-inch \$2.25; 20-inch \$2.50; 24-inch \$3.25.

EUREKA WEED KILLER.—Weeds, grass and moss become a nuisance on gravel and brick walks and driveways. They are easily killed and the walks made bright and clean by using this preparation, one packet of which is sufficient when mixed with 25 gallons of cold water to clean 100 square yards. Package 75c. by express.

ELECTRIC ANT EXTERMINATOR.—Lawns sometimes become infested with ants which disfigure it with unsightly heaps of dirt and kill the grass in spots. Many experiments have been tried to destroy them, with little success, until the invention of this new preparation which does the work. Per package 25c. or postpaid for 30c. Also nice for use in the house.

CLIMAX LAWN WEEDER.—A simple and easy working device for removing rank weeds and plants from lawns. Easily operated and does effective work. The full length is 42 inches enabling the operator to stand erect. Push the chisel under the plant at an angle that will sever the roots. A slight pull on the trigger brings the grab down which securely holds the plant, lifting it out and leaving only a slight mark. Price \$1.00.

SELF-CLEANING LAWN RAKE.—Best cheap devise for raking the lawn. Auto matic self-cleaner, keeping the teeth clean. 75c each.

GRASS CATCHERS.—The most successful device yet brought out for the purpose. It is easily attached to any make of lawn mower that we know of, and as it fastens to the handle only, it does not in any way interfere with the action of mower. Our cut shows it adjusted ready for use. It can be almost instantly loosened at the lower end to dump the grass. No. 1 suitable for the 12 or 14-inch low wheel or ordinary lawn mowers each 50c. No. 2 for 14 or 16-inch high or low wheel, 85c. No. 3 for 16 or 18-inch high or low wheel, 80c. No. 4 for 20-inch, high wheel, \$1.00.

PRESTON LAWN SPRINKLER.—The whirling arms give a beautiful fountain-like appearance and fine spray. One of the most effective sprinklers made. The whirling arms distribute the water evenly, give a fine spray, cover a large circle and make a very attractive appearance on the lawn. The sled arrangement on which it rests makes it easy to move from place to place by pulling hose. Each \$1.35.

CLIMAX WEEDER.

ESTIMATES

On lists of Lawn Grass Seeds, Shrubbery or Decorative Plants, Lawn Supplies, etc., furnished on application, and customers may depend on honorable treatment and lowest prices, considering quality. Send your list to us for prices. We can please you.

Lawn Grass Seed.

See descriptive list of Lawn Grass Seed on page 41 of this book and ask for special circular with directions for making a lawn.

LAWN SUPPLIES.

ALL OF THE BEST QUALITY.

NEW BALL BEARING CONQUEROR LAWN MOWER.—For six years past one of the oldest and largest manufacturers has been experimenting to adapt the ball-bearing and other new features to lawn mowers. For two or three years he has put out a few dozen each year to give them a practical test and they have proved wonderfully successful. He is now putting them into the hands, and we can offer our customers by far the best mower ever put on the market. The shafts are extra heavy, bearing four cutting knives, and it runs at a high speed compared to ordinary mowers. This gives it a continuous cut, and makes a smooth, cleaner lawn. The wheels are nine inches in diameter, with skeleton rims. It has parallel bearings provided with micrometer adjustment, so that practically it cannot wear out. Stationary knife is of the best cast steel, hardened, tempered and self-sharpening. In all respects it is designed for hard, continuous service, and still the ball-bearings and all parts are so perfectly adjusted that it runs as easy as a bicycle. As will be noticed the handles are a new style made specially for us. If desired we can furnish mowers with the ordinary handles at 50c less. The mowers are warranted, and we are sure will please the most particular customer. Price for mower cutting 14-inch swath, \$6.50; 15-inch, \$7.00; 18-inch, \$7.50; 20-in. for large lawns, \$7.75.

IOWA CLIPPER LAWN MOWER.—For six years we have sold a great many of these and they have given splendid satisfaction everywhere. It is thoroughly well-made, runs easily, does excellent work, cutting smooth and clean. Diameter of drive wheels 8 1/4 inches. Its cutting bar is solid steel and all parts are of best quality, while its simplicity of construction insures durability and also lessens the cost. By purchasing a large number we are enabled to offer them at wonderfully low prices. Price for mower cutting 12-inch swath \$2.75; 14-inch, \$3.25; 16-inch, \$3.75.

EXCELSIOR HORSE LAWN MOWERS.—The best make, 30-inch cut, \$80.00; 35-inch cut \$95.00; 40-inch \$120.00.

IMPROVED GRASS SHEARS.—An improvement on the ordinary grass or sheep shears. Has long blades and handle is curved to prevent rubbing knuckles on the ground when using. Each 50c.

TURF EDGER.—For trimming borders of walks, drives, etc., to make a square edge. Ea. 50c.

RUBBER HOSE.—Few realize the great difference there is in the quality of rubber hose. The price ranges from \$2.00 to \$12.00 per length of fifty feet. The low grades will not stand ordinary water pressure, and are gone in a few days. The most expensive grades are intended only for steam. For general use the grades which we offer this year are, we believe, superior to any other. We want to warn everyone not to leave their hose out in the sun when not in use, as the water left in it gets very warm and will rot the best of hose. **Best Grade.**—A high grade of five-ply rubber hose. Per coil of 50 feet, \$7.50. **Second Grade.**—A really good quality for \$5.00 per coil.

COTTON HOSE.—Many persons consider the cotton hose more serviceable than rubber. Per coil of 50 feet \$6.00.

DUDE HOSE REEL.—It pays to use a reel as it keeps the hose in better shape and saves considerable labor and annoyance. Price \$1.25.

MAGIC NOZZLE.—Sprays; or will throw a solid stream. Ea. 50c.

GRASS HOOKS or SICKLES.—Useful for trimming the edges of lawns, next to fences, around trees, shrubs, etc. Price 25c each or a superior quality for 40c.

WIRE TREE GUARDS.—It pays to use them and avoid any injury to the bark from animals, lawn mowers or accidents. No. 1, 5 ft. 3 inches high 7 inches in diameter, each \$1.00; doz. \$9.50. No. 2, 6 ft. high 7 inches in diameter, each \$1.30; doz. \$12.00.

PEERLESS LAWN FERTILIZER.—Lawn grass is a voracious feeder, and will not thrive and hold its beautiful dark green color and velvety appearance unless it is suitably fed. The lack of this one requisite causes many poor and rusty looking lawns. Our Peerless Lawn Dressing is prepared specially for lawns and is of the best quality, dry, finely pulverized and easy to apply. It possesses in the highest degree and concentrated form those constituents best calculated to nourish the grass, promote its luxuriant growth and the dark green color so greatly admired. It is not only the most perfect lawn dressing that has been ever made, but is the most pleasant to handle, being practically non-odorous. Being dry and fine it is easy to apply, and insures a vigorous growth to the grass. In preparing to use, add to 30 lbs. per 1000 square feet of surface, according to richness of soil, raking it in thoroughly. For top dressing on lawns, use half this amount, about 10 lbs. for 1000 square feet of lawn or 400 lbs. per acre, early in spring. Price 10 lb. package 60c; 25 lb. pkg. \$1.00; 50 lb. pkg. \$1.85; 100 lbs. \$3.50; 400 lbs. \$12.00.

200 lbs
LAWN
FERTILIZER
PUT UP FOR
IOWA SEED CO.
DES MOINES
IOWA

TOOLS AND IMPLEMENTS.

To reduce the cost of gardening it is necessary to have the best tools. A good wheel hoe is as much superior to a common hoe for cultivating a garden as a mowing machine is to the sickle in the hay field. All of the following tools have been thoroughly tested and for their own particular class of work, have given splendid satisfaction. Notice reduced prices. If you desire it we will send illustrated circular describing any of the tools in which you are interested.

PLANET JR. NO. 4, COMBINED SEEDER AND CULTIVATOR.—This latest improved tool is giving good satisfaction. It combines in a single convenient implement, a first-class hill-dropping seeder, a perfect

drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder it sows in continuous rows, or in groups of 2, 6, 9, 12, 18 or 36 inches apart. It is thrown out or rear by a simple raising of the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. With this one implement the small farmer can do practically all the work in his small crops. Price \$11.00. Set of three rakes, if desired, \$1.00 extra. Price for plain drill, without cultivating attachments, \$9.00.

PLANET JR. NO. 1, COMBINED DRILL AND CULTIVATOR.—This is the most popular tool we have ever sold. As a plow it opens furrows, covers them; hills plows to any form, etc. As a hoe, it works safely to and from both sides of the row at once, or between the rows. As a cultivator it is admirably adapted to deep mellowing of the soil. Each machine is sent out with all the tools shown in the cut.

Price \$9.50. Pair of rakes for same 50 cents extra.

PLANET JR. NO. 4, SEEDER AND CULTIVATOR.

MATTHEWS' UNIVERSAL CONSTELLATION DRILL.—The latest improved, and we are convinced that this tool is one of the best. It sows perfectly all kinds of seeds at any depth with mechanical precision, covering and rolling it down in the most approved manner. It has a very complete set of cultivating attachments consisting of plows, hoes, rakes and cultivator teeth as shown in cut. Can be used either with one or two wheels and the seeding apparatus is detachable and interchangeable with the cultivator tools. Price only \$8.00.

MATTHEWS' UNIVERSAL GARDEN DRILL.—A new one wheel drill of superior merit. It is particularly adapted to planting all kinds of garden seeds. The depth may be gauged to any required space and will make a uniform deposit of the seeds. The single wheel seeder is considered by many as superior to any double wheel drill. Price \$6.25

PLANET JUNIOR NO. 16, SINGLE WHEEL HOE.—This latest and best single wheel hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has an 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handle and quick-change frame. The tools are a well-shaped plow, a pair of 6-inch shield hoes and three all steel patent cultivator teeth, also a set of two rakes and a practical leaf guard. Price, \$5.50.

PLANET JR. NO. 17, SINGLE WHEEL HOE.—Has one pair of hoes, three cultivator teeth and a plow.

This is just the right assortment of tools for a family garden and should become very popular. If desired, the rakes and other attachments can be added later to make a complete tool. Price \$4.75.

PLANET JR. NO. 12, DOUBLE WHEEL HOE.—This most practical tool is made for gardeners. The arch is high enough to enable the operator to work both sides of the row at once until the plants are eighteen inches high, then the wheels can be set close together and work between the rows. It will do the work of six men with ordinary hand hoes. The cultivating attachments consist of one pair of 6-inch hoes, two pairs of hollow steel cultivator teeth, one pair of plows and one pair of leaf lifters. Price, \$4.85. Rakes 75¢ pair extra.

UNIVERSAL DOUBLE WHEEL HOE—Complete.—A greatly improved implement which will work both sides of the row at once in a most thorough manner. It has all the attachments shown in cut, consisting of one pair each of hoes, plows, rakes, narrow cultivator teeth, and wide cultivator teeth. Also a pair of leaf lifter or vine guards; which are quite a help when the plants become large. The adjustable arch not only forms a means for gauging the depth of work to be performed, but, by an ingenious devise, enables the teeth to be pitched at any angle desired. Price, only \$5.00.

UNIVERSAL DOUBLE WHEEL HOE—Plain.—The above tool with only one pair of hoe blades for \$3.50.

PLANET JR. NO. 8, HORSE HOE.—Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to stand incredible strain, yet is light and easy to handle. The depth is under perfect control by a new lever wheel and patent depth regulator, moved instantly in unison by a single lever, making exact work, steadying the machine and relieving the operator. The reversible side hoes act as plows or hillers, but when turned end for end the tool becomes a genuine horse hoe; working so shallow and so close, without injury to the roots, that much hand labor is saved. Price \$9.00.

ACME SEED DRILL.—A little tool of very simple construction. While not equal to the more expensive drills, still thousands of persons have been pleased with them. Price, \$1.25, or to persons who order seeds from us also, the price will be only \$1.00, charges prepaid.

EUREKA SEED DRILL.—A great improvement on the above in every respect. Gardeners will like it for sowing seeds in hotbeds. Price \$1.25 or postage paid for \$1.50.

CLIPPER SEED CLEANER.—An up-draft fanning mill and does the best of work in cleaning all kinds of seed and grain. Price, only \$22.00, or if sent from factory in Michigan, only \$19.40.



MATTHEWS' NEW UNIVERSAL CONSTELLATION DRILL AND CULTIVATOR.

PLANET JR. NO. 3, SEED DRILL.—We regard this drill as the acme of perfection and most decidedly the best seed sower made. It will sow perfectly, either in a continuous row or drop the seeds in hills 4, 6, 8, 12 or 24 inches apart. It opens the furrows, drops in hills or drills, covers rolls down and marks the next row, all at one operation. It has a force feed, sows equally well whether the hopper is full or contains only a paper of seed. Price \$10.50.

DAN PATCH CULTIVATOR.—An excellent tool with wheel 24 inches high, making it easy. Ask for circular. Price \$3.50.

PLANET JR. NO. 25, COMBINED SEEDER AND CULTIVATOR.—A large Drill and Double Wheel Hoe, intended especially for market gardeners. Sows all kinds of garden seeds in hills or drills, and combines with a Double Wheel Hoe, Cultivator and plow. Ask for descriptive circular. Price, \$13.50.

PLANET JR. NO. 13, DOUBLE WHEEL HOE.—This is identical with No. 12, described on this page, but has only one pair of hoes and no other attachments. Price \$4.50.

FARMERS SINGLE WHEEL HOE.—This is made by the manufacturers of the celebrated Planet Jr. tools and is especially designed for the farmers' garden work. The wheel is high so that it runs easily. The attachments consist of a large plow steel, a 10-inch sweep, 6-inch sweep, 4-inch cultivator tooth and a 2-inch cultivator tooth. Price \$3.75.

PLANET JR. TWELVE-TOOTH HARROW.—For fine cultivation, either deep or shallow, this has no equal. Hand levers regulate both width and depth while in motion. It cultivates deep without throwing earth upon the plants, and the smooth, round throated teeth turn strawberry runners without injuring them. We know and will guarantee it to be the best harrow on the market. The recurved throat and high frame prevent clogging, and the reverse position is given to the teeth in a very short time by changing a single bolt in each. It is provided with a pulverizer which leaves the ground in fine condition. Price, \$9.00, or without the pulverizer, \$7.25.

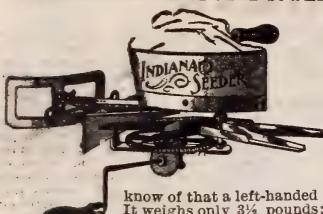
ACME SEED DRILL.—A little tool of very simple construction. While not equal to the more expensive drills, still thousands of persons have been pleased with them. Price, \$1.25, or to persons who order seeds from us also, the price will be only \$1.00, charges prepaid.

EUREKA SEED DRILL.—A great improvement on the above in every respect. Gardeners will like it for sowing seeds in hotbeds. Price \$1.25 or postage paid for \$1.50.

CLIPPER SEED CLEANER.—An up-draft fanning mill and does the best of work in cleaning all kinds of seed and grain. Price, only \$22.00, or if sent from factory in Michigan, only \$19.40.

PLANET JR. 12-TOOTH HARROW AND PULVERIZER.—

SPECIAL PRICES MADE ON PLANET JR. TOOLS WHEN ORDERED WITH A BILL OF SEEDS.

INDIANA BROADCAST SEED SOWER.—Has a solid malleable iron frame but the hopper and most of the balance of the machine is of steel. The bag will hold half a bushel. It is equipped with an agitator thus making a practical force feed, and also with a seed gauge for adjusting quantity of seed sown. The crank can be used either on the right or left side, and it is therefore the only seeder that we know of that a left-handed operator can use with ease. It weighs only 3½ pounds; will sow 50 feet of wheat or rye at a round, 30 to 36 feet of flax, clover, timothy or millet; light grass seeds 15 to 30 feet. Price only \$1.50.

know of that a left-handed operator can use with ease. It weighs only 3½ pounds; will sow 50 feet of wheat or rye at a round, 30 to 36 feet of flax, clover, timothy or millet; light grass seeds 15 to 30 feet. Price only \$1.50.

LITTLE GIANT BROADCAST SEED SOWER.—Simple in construction, light, strong and durable, no feed plate to carry and only weighing 3 pounds complete. Will sow orchard grass, clover, timothy, wheat, etc. Even if you only have a small field to sow it will pay you to have one of these so as to get it distributed evenly. Each \$1.25.



EUREKA POTATO PLANTER.—The best hand potato planter that we know of as it does the work perfectly. Also plants beans and seed corn equal to any corn planter. See cut. Price \$1.25.

GARDEN TROWELS.—5-inch 10c, by mail 15c; 6 inch 15c, by mail 20c.

FLORIST TROWELS.—Extra heavy 40c; by mail 50c.

DIBBER.—Steel pointed, for transplanting vegetable plants. Each 30c, by mail 40c.

LITTLE GIANT.

WATER'S TREE PRUNER.—The standard maker with 6 ft. pole 85c, 8 ft. pole \$1.00 10 ft. pole \$1.20.

IMPROVED HAND PRUNING SHEARS.—The best hand shears on the market. Made specially for pruning berry or rose bushes, grape-vines, etc. Made of best steel, 8 inches long, spring. Price 75c, postpaid 90c.

CONNECTICUT PRUNING SHEARS.—A good tool for most work. Steel blades, flat spring, malleable handles. Price 50c, postpaid 65c.

WILKINSON'S HEDGE SHEARS.—The best hedge trimmer that we know of. Prices, 10-inch blade \$3.00, 12-inch blade, \$4.00 per pair.

CONCAVED AND CURVED SEED POTATO KNIFE.—It is thin and of the right shape to cut 1, 2 or 3 eye pieces fast and not crack the tuber, nor injure the germ. Each 35c, postpaid.

HOTBED THERMOMETER.—A tested 10-inch thermometer incased in round wood tube, with open face, and pointed brass bottom. Each \$1.00.

RAFFIA.—Excellent for tying asparagus and other vegetables. Also used for budding. Lb. 25c, 10 lbs. \$2.00; by mail, 1b. 40c.

"HANDY" CORN SHELLER.—Sheller is simple, strong, convenient and cheap. Can be used for shelling seed corn, pop corn, corn for chickens, etc. Weight 15 lbs. Price \$1.75.

LANG'S HAND WEEDER.—It is our opinion the best weeder made. Its special advantage over all other weeders of this class is that it has a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price 25c, \$2.50 per dozen, or 30c each, postpaid.

RAMSEY ADJUSTABLE CORN HUSKER.—Farmers say that with it they can husk 25 to 50 per cent more corn and can do it with less labor. The strain does not come on the fingers and thumb, but is on the strongest part of the hand. The husker is attached with triple straps and three buckles and fits the hand perfectly, leaving the fingers free and making a perfectly wrist support. Price 50c each, postpaid; 6 for \$2.50.

EXCELSIOR WEEDING HOOK.—Can be used to great advantage among small and tender plants. Price 10c, doz. \$1.10, or postpaid for 20c each.

BLUE GRASS STRIPPERS.—For gathering seed. Each 2.00.

GALVANIZED WIRE TRELLIS.—For vines, peas, tomatoes, etc. indispensable in every well-kept garden, is easily put up, more tidy than the bamboo and practically indestructible. Can be rolled up, stored away and used again year after year. The best trellis made for Sweet Peas and other flowering vines, as well as for garden peas, tomatoes, etc. Trellis of best galvanized netting, 4 feet wide, 2 inch mesh, is furnished in 10 foot lengths. Price per 10 ft. length, 40c, per dozen length, \$4.00.

**GALVANIZED WIRE GARDEN TRELLIS.**

ROTARY CORN PLANTER.—Decidedly the best hand corn planter made, and a very desirable implement for those who have but a small field, or need to replant their ground. It puts the corn exactly where you want it and at a proper depth. Price \$1.50.

REDDICK MOLE TRAP.—If you are bothered with moles you should purchase one of these traps. It is undoubtedly the best trap made and no mole can pass under it and live. Price only \$1.00.

DANDELION PULLER.—Each 25c, by mail 40c.

SPHAGNUM MOSS.—Clean, nice moss which is used largely for packing fruit plants for shipment. It is put up in large burlap or wire-bound bales. Price \$1.25 per bale; 5 bales or more at \$1.10.

SCREW BRID CAGE HOOKS.—The most popular style as it is inconspicuous, neat, cheap and makes only one hole in the casing. Nice for bird cages or hanging baskets. Each 5c, postpaid 12c. Other styles 10c to 65c each.

FLUTED FLOWER POTS.—handsome pattern. The following prices per dozen are for the pots and saucers: 4-inch 60c; 6-inch \$1.00; 8-inch \$1.50; 9-inch \$2.40; 10-inch \$1.50; 8-inch \$2.40; 9-inch \$3.00. We make no charge for packing, delivering at the depot here. Orders for these must amount to at least \$1.00. Hanging baskets and jardinières, many styles @ 15c to \$1.00 each.

RAFFIA WORK.—Making Indian Baskets is now attracting a great deal of attention, and the work is taught in public schools, art classes, etc. It is a very interesting and fascinating pastime, is easily learned and many ornamental pieces are made. We furnish the materials in large quantities to schools, as well as to private parties. Our stock is unsurpassed.

NATURAL RAFFIA.—Per bunch (about 3 ozs.) 10c, 1b. 25c; 5 lbs. \$1.00.

COLORED RAFFIA.—In many handsome colors, such as light and dark red, pink, three shades of green, light and navy blue, light and dark brown, orange, yellow, black, purple, etc. Price per bunch (about 2 ounces) 10c, 1b. 25c. Mixed colors same price. Bleached white bunch, 15c; 1b. \$1.25.

REEDS.—(Rattan)—Any size, 10c per bunch. The No. 1, \$1.50 per 1b. No. 2, \$1.25; No. 3, \$1.00; No. 4, 85c; No. 5, 75c; No. 6, 60c; No. 8, 50c per 1b.

POSTAGE.—If to be sent by mail, add 3 cents per bunch, 16c per lb. for postage on the above Raffia and Reeds.

RAFFIA NEEDLES.—12c per pkg. postpaid.

HOW TO DO IT.—A book telling how to make baskets and other Raffia weaving. Price 25c.

CHILDREN'S GARDEN TOOLS.

Why not give your children a garden this year? It is not only healthy exercise but they consider it play, and the care of the garden teaches them much of nature and they early learn to love flowers. The following sets of garden tools are desirable. We do not prepay express charges on these tools:

No. 1. Consists of small hoe, rake and spade. Length 22 inches. Price per set only 10c.

No. 2. Large and much better tools. Price per set 25c.

No. 3. A really serviceable and desirable set. Used also by many ladies for working in their flower beds. Price per set 50c.

WE DO NOT PREPAY THE CHARGES ON ANY TOOLS OR SUNDRIES EXCEPT WHERE NOTED.

SPRAYERS AND INSECTICIDES.

Each year proves the importance of spraying fruit trees and plants in order to destroy the insects and secure a good crop of fruit. The largest and most successful fruit growers are the most enthusiastic on spraying. It will pay you to invest in spraying apparatus if you have only one fruit tree. The spraying of apple and plum trees is especially recommended. Will furnish table giving formulas for making mixtures and directions for application of same, upon request.

DAISY SPRAYING PUMP.—This popular little sprayer is shown by our illustration. We sell hundreds of these pumps which are used for spraying insecticides and whitewash in the poultry house, also for spraying fruit trees and plants. Can be changed so as to throw a solid stream of water 20 to 30 feet high and used for washing windows, buggies, etc. Price only \$1.00. Can be sent by express only.

BRANDT COMPRESSED AIR SPRAYER.—This is made on an entirely new principle that gives a continuously uniform pressure so that a uniform discharge is always secured from the nozzle. In our tests we have found it superior to any other make. Ask for circular. Price \$5.50; double nozzle \$1.00 extra.

RIPLEY'S COMPRESSED AIR SPRAYER.—It is claimed by the manufacturer that it will stand a greater pressure and force a finer spray or a continuous stream a greater distance than any other compressed air sprayer made. It is made to strap to body and a person can walk along and spray at leisure by simply turning the stop cock off and on. These sprayers are all fitted with single Vermont nozzle for fine or coarse spray, and with three feet of hose.

No. 15—4 gal. galvanized, the most convenient size, each \$5.00
No. 16—4 gal. copper, will last the longest in using poison solutions, each \$7.00

DAISY SPRAYING PUMP.

LEVER BUCKET or BARREL SPRAY PUMP.—Similar to the Little Giant, but has lever handle and can be attached to barrel or bucket. Price \$4.75; with 8-foot extension \$5.25.

LIGHTNING SPRAYING PUMP.—A low-priced serviceable bucket spraying pump that will give satisfactory results. It is made of heavy galvanized iron, furnished with nozzle for throwing either a stream or a spray. Each \$1.90.

MYER'S BARREL SPRAY PUMP.—This is a most complete and satisfactory spraying pump, and especially adapted for spraying large orchards. The cylinder, valves, valve seat and discharge are all brass. Furnished complete with five feet of discharge hose. Price \$9.00; with 8-foot extension pipe 50¢ extra.

LIGHTNING ATOMIZER NO. 2.—One of the best insect exterminators on the market. The reservoir is made of the best brass with double tube and has double the capacity of any other atomizer that we know of, thoroughly covering a wide space at each action of the handle, and spray is so fine that it thoroughly covers both under and upper sides of the leaves. Price only \$1.00, postage 25¢ extra.

FAULTLESS INSECT SPRAYER.—An all brass hand sprayer. Will not rust. The best hand sprayer for applying liquids and insecticides to poultry houses and live stock. Also valuable for spraying grapevines, small trees and shrubbery. Made of heavy brass and very durable. Price by express, not prepaid, \$1.00. Same, made of tin, 50¢.

STAR INSECT POWDER GUN.—Handy size for house use to blow powder in cracks and crevices. Largely used for killing houseflies. 10¢ each, postage 13¢.

DALMATIAN INSECT POWDER.—The best grade, fresh and nice. It does not pay to use cheap ordinary grades. Lb. 40¢; 5 lbs. or more at 4¢; postage 16¢ per lb, extra.

TOBACCO DUST.—Destroys rose bugs, lice, cut worms, vine worms, tomato worms, cabbage lice and parasites of all descriptions. Should be applied when the foliage is wet. Also a most complete fertilizer for plants and vines; will not burn or injure the plants. Price, lb. 10¢; 5 lbs. for 25¢; 16¢ per lb. extra.

ANT EXTERMINATOR.—Ants become great pests and disfigure the lawn badly with their piles of dirt. This is a non-poisonous powder which, when sprinkled around, will kill or drive away ants from lawns, trees, houses, etc. Has proven very satisfactory to our customers. Price 25¢; by mail 30¢.

SULPHO TOBACCO SOAP.—For a cheap, effective, clean and harmless insecticide for amateur and professional growers this is unsurpassed. Quickly exterminates all insect life on plants and flowers in and out of doors. Unsurpassed for rose bushes. For domestic purposes it rids the house of cockroaches, and is a superior wash for dogs and all animals. Prevents poultry lice. A trial will give highly gratifying results. Three-ounce cake, sufficient for 1½ gals. prepared solution, 10¢, by mail, postage 13¢. Eight ounce cake, sufficient for four gals. prepared solution, for 20¢, by mail, postage 28¢.

CONKEY'S FLY KNOCKER.—Kills all flies and insects it strikes, and drives others away. A great relief to cows and horses. Especially valuable to dairymen. Stock of any kind sprayed with Fly Knocker will not be troubled with insects while feeding. Can be economically applied by using our Faultless Sprayer. Price 1 qt. 45¢; 2 qts. 75¢; 1 gal. \$1.25. 5 gal. can (jacketed) \$3.00.

SPRAYING INSTRUCTIONS

A circular giving full information for making all the best spraying preparations and instructions how and when to use them, mailed free on request.

ASK FOR SPECIAL CATALOGUE OF CUT FLOWERS FOR WEDDINGS, FUNERALS, ETC.

BOWKER'S FOOD FOR FLOWERS.—A fertilizer made especially for plants grown in the house: clean, free from offensive odor and is largely soluble in water, producing healthy plants and early and abundant blossoms to which it imparts a rich and brilliant color. A large box containing sufficient for 20 plants for one year 25c or postpaid 40c; small package 15c postpaid 25c.

WALKER'S EXCELSIOR PLANT FOOD.—A soluble food for house plants containing all the elements necessary to nourish and make beautiful both flowers and plants. It makes brighter flowers and prolongs the period of blooming. Large box containing sufficient for 25 plants one year 25c, or postpaid 40c; small package 15c, postpaid 25c.

JAPANESE PALM FOOD.—A chemically prepared fertilizer that will make healthy plants and beautiful foliage. Odorless, soluble and readily assimilated. Endorsed by palm growers who have used it. Excellent for Palms, Ferns, Rubber, etc. Price 25c, postpaid 45c.

WIRE PLANT STANDS.—For strength, beauty of design and superior finish, our stands are unequalled. No. 10, illustrated herewith, is a very popular style. Price only \$4.50, or without the arch for \$3.50. Other styles cheaper. Illustrated list free.

WIRE WINDOW SHELVES.—These can be fastened to window frames either inside or outside. They are strong and attractive, 36 inches long, 6 or 7 inches wide. Each \$1.00.

WIRE BRACKET.—This new pattern is a very cheap, handsome bracket, made of tinned wire. Price 4 $\frac{1}{4}$ -inch 10c each. \$1.00 per doz., 5 $\frac{1}{4}$ -inch, 12c each, \$1.25 per doz.; 6 $\frac{1}{4}$ -inch, 15c each, \$1.50 per doz.; postage 8c each extra.

TRELLISES.—Many patterns of wood and wire trellises, 15c to \$2.00.

CANE PLANT STAKES.—Desirable for plant supports. 20c per doz. \$1.00 per 100.

NO. 10 PLANT STAND.

FRUIT PACKAGES.

Bright, smoothly cut stock which will make the fruit look finer and sell better. Prices named here are subject to change. Ask for price list.

BERRY BOXES.—Made of the best white wood (poplar) heart stock, cut smoothly, and perfect shape, size 4 $\frac{1}{2}$ x 4 $\frac{1}{2}$ x 3 $\frac{1}{2}$, and will hold a wine measure quart. The bottom is set up for ventilation. They are usually put up in bundles of 500 boxes, complete for shipment, and are all ready for putting together which can be done very rapidly. We furnish 500 at the 1000 rate, broken bundles at the 100 rate. Price per 100, 40c; 1000 \$3.50. If a large lot is wanted, ask for prices.

ANNEALED TACKS.—1 lb. makes 1000 boxes. Per lb. 25c, 5 lbs. \$1.00.

MAGNETIC TACK HAMMER.—Picks up the tacks and saves much of the labor. Each 15c.

CRATES.—Made of thoroughly seasoned stock, well ventilated at sides and bottom, but with a tight cover to protect from dust. We always ship in the flat or "knockdown" 16-qt. crates per 10 \$1.00; per 100 \$8.50; 24-qt. crates per 10 \$1.10; per 100 \$10.00.

CRATE NAILS.—Coated wire and far superior to any other. 12 lbs. (will make 100 crates) for \$1.00.



HALF-BUSHEL BASKET.—The best all around basket for the use of farmers, fruit growers and grocers that we know of. It is very strong and well made and particularly adapted for picking fruit, potatoes, tomatoes and other vegetables. Swinging basket makes it easily handled. Price 20c each, \$1.85 per doz.

NO. 1—ONE BUSHEL BASKET.—The ideal basket for general use. Thoroughly well made and meant for hard usage and should last many years. Each 25c, doz. \$2.70.

NO. 2—ONE BUSHEL BASKET.—Like the No. 1, but cheaper made. One of the best packages for shipping apples and other kinds of fruit and vegetables. Each 20c, doz. \$2.10.

STAVE BASKET COVERS.—Made of slats for covering the baskets in shipping, making a secure cover. Price for one-bushel size 80c doz.

DIAMOND MARKET BASKETS.—Per doz. 50c, 10 doz. \$4.65.

IRON MEASURES.—Made of heavy galvanized iron. Peck size, each 40c; half-bushel, each 50c; one-bushel, each 70c.

WOOD MEASURES.—Iron bound, to make them stronger. Half-peck each 20c; peck, 25c; half bushel 35c.



CUT FLOWERS.

Owing to the fluctuation in the value of cut flowers at various seasons of the year, it is impossible to give a list of prices in this catalogue, but we will quote lowest prices on any list of flowers desired, by mail. They are always much higher at Christmas and Easter than at any other time. Ask for a catalogue of our Cut Flower Department which is conducted under the name **IOWA FLORAL CO.** Floral designs and decorations for weddings, banquets, funerals, etc., are a specialty.



Birds and Gold Fish.

We are sure that many of our customers will be interested in this department as the companionship of a bird has brightened the life of many a tired, overworked mother and the music of a good songster makes the whole house more cheerful. For many years we conducted the largest mail order business in this line in the world, but it has now been sold to the **IOWA BIRD CO.**, of Des Moines, whose beautiful illustrated catalogue can be had free on application. We list a few of the most prominent items which can be ordered from us if desired and we guarantee prompt shipment and good stock. Prices are subject to change. Winter is the best time to ship birds and we ship them everywhere.

HARTZ MOUNTAIN CANARY.—These are bred in Germany, high up among the Hartz Mountains, and are famous for their restful melody. Male birds \$3.00 each. Female Canaries—for breeding, \$1.00 to \$1.50 each.

ST. ANDREASBERG ROLLER CANARIES.—These birds are without doubt the finest songsters in the world. Each \$5.00.

EUROPEAN GOLD FINCHES.—Each \$2.50.

PARROTS.—We guarantee each bird to learn to talk. Stock is changing constantly. Ask for price when ready to buy.

IMPROVED BRASS CAGES.—Thoroughly well made and decidedly better than painted cages for birds. Size 5 $\frac{1}{2}$ x 8 $\frac{1}{2}$ in. 75c; 6x9, \$1.60; 6 $\frac{1}{2}$ x 9 $\frac{1}{2}$, \$1.25; 7x10 \$1.50; 7 $\frac{1}{2}$ x 10 $\frac{1}{2}$ \$2.00; 8 $\frac{1}{2}$ x 11 $\frac{1}{2}$ \$2.50. Fancy styles and larger sizes \$2.00 to \$5.00 each.

SUPERIOR MIXED BIRD SEED.—This is a specialty with us and we sell tons of it. Per lb. 10c, 3 lbs. 25c, 13 lbs. \$1.00, 50 lbs. \$3.50, 100 lbs. \$6.75 Postage 10c per lb. extra.

GERMAN SUMMER RAPE.—Fed largely to trained canaries. Same price as above.

SICILY CANARY.—Best recleaned. Same price.

MAMMOTH RUSSIAN SUNFLOWER.—Same price.

MIXED PARROT SEED.—Best. Same price.

PREPARED MOCKING BIRD FOOD.—Best food on the market for all soft-billed birds. Per large can 35c, postpaid 50c.

PAGE'S SONG RESTORER.—Successful in nearly every case of loss of voice from cold or moulting. Small cakes 5c each, dozen 50c, postpaid.

Gold Fish.—The most elegant of all parlor adornments. We furnish handsome medium size fish at 25c each, 5c for \$1.00. Small size 10c and 15c each. Fancy Japanese and other fish 50c to \$5.00 each. Ask for catalogue of Fancy Fish, Aquariums, Fish Globes, etc.

EGGS FOR HATCHING.—We are prepared this season to supply eggs for hatching from choice farm raised, high grade thoroughbred stock of a few of the leading varieties. They are superior egg laying strains and have won many prizes at the leading poultry shows.

BARRED PLYMOUTH ROCKS.—The farmer's favorite. From large well marked stock. Price per setting of 13 eggs, \$1.25.

WHITE PLYMOUTH ROCKS.—Great egg producers and very early to mature. Our stock is pure white. Price per setting of 13 eggs, \$1.25.

BUFF PLYMOUTH ROCKS.—Becoming very popular as a general purpose fowl. Per setting of 13 eggs, \$1.50.

WHITE WYANDOTTES.—Rapidly becoming favorites. They are great layers, mature early and are pure white. Price per setting of 13 eggs, \$1.50.

BLACK LANGSHANS.—Very satisfactory for general purposes. Per setting of 13 eggs, \$1.25.

BROWN LEGHORNS.—The greatest of all layers. Our stock is from one of the best laying strains in the country. Price per setting of 13 eggs \$1.25.

ROSE COMB BROWN LEGHORNS.—Per setting of 13 eggs \$1.50.

LIGHT BRAHMAS.—High scoring stock. Price per setting of 13 eggs \$1.25.

EGGS FOR INCUBATORS.—Write us for prices, stating the number of eggs you will want and breed. We will quote you our very lowest prices.

BREEDING STOCK.—A few choice cockerels and pullets at reasonable prices. Order early as our stock is limited. We send out only choice stock which will please our customers. Write for a price list.

BUFF PLYMOUTH ROCK.—Usually scarce, but we hope to have a good supply this season. Price per setting of nine eggs, \$3.00.

BRONZE TURKEYES.—Usually scarce, but we hope to have a good supply this season. Price per setting of nine eggs, \$3.00.

MAMMOTH WHITE PEKIN DUCKS.—Per setting of 9 eggs, \$1.50.

Ask for our illustrated **Poultry Supply List**. You will find that our stock and prices are both right.

NOTICE THE CAGE BIRDS AND FANCY GOLD FISH LISTED ABOVE.

POULTRY SUPPLIES

PEARL GRIT.—No better grit can be found for poultry. Sharp and wears sharp. Per 25 lbs. 35c; 100 lbs. 85c; 500 lbs. or more @ 75c per 100 lbs.

PEARL CHICK GRIT.—A small grit which is necessary when raising young chickens. Per 25 lbs. 35c; 100 lbs. 85c; 500 lbs. or more @ 75c per 100 lbs.

MICA CRYSTAL GRIT.—Hard, sharp, and instead of grinding smooth like an ordinary stone, it breaks off in such a way that it stays sharp. It is fine for poultry, pigeons and turkeys. Price, 10 lbs. 25c; 25 lbs. 40c; 100 lbs. \$1.00; 500 lbs. or more @ 85c per 100 lbs.

CRUSHED CLAM SHELL.—Used very extensively by poultrymen, and being harder than oyster shell, and not dissolving so readily, will serve as a grit, and at the same time contains a large amount of available lime necessary in egg production. 25 lbs. 35c; 100 lbs. 75c; 500 lbs. @ 65c.

CRUSHED OYSTER SHELL.—This is a most important article for the poultry yard and should be supplied to the fowls in abundance. Of superior quality. Your hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. Price, 10 lbs. 25c; 25 lbs. 40c; 100 lbs. 90c; 500 lbs. or more @ 80c.

CRUSHED RAW BONE.—Really better than the shell, will pay to use both. Of the best quality, being made from fresh bones. 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$2.75.

RAW BONE MEAL.—Ground fine for feeding small chickens; also used as a lawn fertilizer. Price, 10 lbs. 45c; 25 lbs. 85c; 100 lbs. \$2.75.

GROUND BEEF SCRAPS.—Made from fresh beef, thoroughly cooked and dried. A most excellent food for young chicks or laying hens. 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.50.

PLYMOUTH ROCK CHICK FEED.—This feed has been prepared with the idea of supplying a perfectly balanced ration for young chicks. It has been demonstrated that young chicks do much better on our especially prepared feed than on any moist or soft food that can be obtained.

The feed is composed of various kinds of grains, grit and other nutritive foods, making it the most complete and cleanest chick feed on the market. Price per 25 lb. bag 85c; 50 lbs. \$1.50; 100 lbs. \$2.75.

PLYMOUTH ROCK HEN FEED.—In the preparation of this feed we have had in mind the production of the best feed that could be made for laying hens and the keeping of all fowls in a healthy condition. Price 25 lbs. 70c; 100 lbs. \$2.35.

PLYMOUTH ROCK PIGEON FEED.—A complete feed for pigeons, containing every thing necessary for their welfare. Price, 25 lbs. 85c; 100 lbs. \$2.75.

ALFALFA CLOVER MEAL.—An excellent preparation of alfalfa containing a large amount of digestible protein, especially adapted to be fed with a mash feed. Valuable as a winter feed. Price, 10 lbs. 35c; 25 lbs. 65c; 100 lbs. \$2.00.

PRATT'S POULTRY REGULATOR. (Formerly called Pratt's Poultry Food.) Will keep hens in good health and cure chicken cholera and other diseases of chickens and turkeys. It is a splendid egg food, endorsed by leading poultry raisers. It makes larger fowls, quickens the growth of young chicks, and sickly broods are never seen where it is used. Per 5 lb. pkg. 60c; (not prepaid) 25 oz. pkg. 25c; postpaid 55. Trial size 10c, postpaid 1c.

CHARCOAL.—Granulated to just the right sizes for either poultry or chicks. Two sizes, 5 lbs. 35c; 10 lbs. 60c; 25 lbs. \$1.25; 50 lb. bag \$1.90.

CONKEY'S LAYING TONIC.—Keeps fowls in the best of health which is very essential in egg production. 1 1/2 lb. pkg. 25c, postpaid 50c; 3/4 lb. pkg. 50c; not prepaid.

CONKEY'S GAPE CURE.—A positive cure for this deadly disease. Is in powder form, and mixed with soft feed. Per box 50c, postpaid.

CONKEY'S CHOLERA CURE.—We consider this the most dependable cholera cure known. Used in the treatment of cholera, indigestion, bowel trouble, diarrhea and other kindred diseases. Per box 50c, postpaid.

CONKEY'S ROME CURE.—This is an excellent remedy that has been thoroughly tried and meets with a ready sale, as it has given excellent satisfaction. Per box 50c; large size \$1.00 postpaid.

We handle a complete line of poultry supplies of the best quality. Prices are subject to important market changes. We will be glad to name special figures on large lots. Transportation charges to be paid by purchaser except where marked postpaid.

ELECTRIC ROUP CURE.—A guaranteed roup cure to be applied directly to the affected parts. Price 25c, postpaid 30c.

LEE'S LICE KILLER.—This is the result of several years experimenting with various insecticides in search of a liquid that would eradicate lice, mites and chiggers, by applying to roost and nest boxes. It is now considered the standard liquid lice killer. Per qt. 35c; 1/2 gal. 60c; gal. \$1.00.

CONKEY'S LICE POWDER.—One of the most perfect lice killers in the market. Also good for fleas on dogs and other animals. 15 oz. box 25c; postpaid 40c.

LAMBERT'S DEATH TO LICE.—A cheap and effectual remedy for all kinds of poultry vermin, moths, lice on horses, cattle or plants, fleas on dogs, etc. Pkg. of about 1 lb. 25c, or by mail 40c. Trial size 10c, or postpaid, 20c.

FAULTLESS INSECT SPRAYER.—An all brass hand sprayer. Will not rust. The best sprayer for applying liquids to poultry houses and live stock. Price \$1.00, by express. Same made of tin 50c.

PHILADELPHIA POULTRY MARKER.—This is a convenient little spring punch for marking chickens by making a small hole in the web of the foot. In this way they can be easily identified or followed by their peculiar tracks. 25c each postpaid.

IDEAL LEG BAND.—The ideal is made of aluminum, has perfectly smooth edges and is unquestionably the best band on the market. Press clinches made close, and being so

light and smooth, will not chafe the leg of the fowl. Try them once and you will use no other. Made in eight different sizes. State breed when ordering. Price 20c per doz., 80c per 100 postpaid

LEADER LEG BAND.—An adjustable band which can be used for any sized fowl from a bantam to a turkey. Made of aluminum, light and smooth. Doz. 20c; 100 80c, postpaid.

ANTISEPTIC NEST EGGS.—Excellent to keep vermin from the nests and to cause them to leave fowls. An egg should be placed under every setting hen. Each 5c, doz. 45c. Not prepaid.

GLASS NEST EGGS.—5c each, 35c per doz. 4 doz. for \$1.00, not postpaid.

FRENCH POULTRY KILLING KNIFE.—Best and most humane method of killing all kinds of poultry. Each 40c, postpaid.

GAPE WORM EXTRACTOR.—Each 15c, 4 for 50c, postpaid.

AMERICAN WARM WATER FOUNTAIN.—The latest and most satisfactory fountain for supplying warm water in winter. The heater can be detached and it can be used as a regular fountain in warm weather. Made of best galvanized steel and sure to please. By providing warm water in winter, the egg production is greatly increased. 6-qt. size \$2.00; 3-gal. \$2.50.

SANITARY DETACHABLE FOUNTAIN.—Chicks can drink all around. Easily cleaned. Two-quart 25c, doz. \$2.50; gal. 35c, doz. \$3.50; 2 gal. 50c, doz. \$5.00.

STONEWARE DRINKING FOUNTAIN.—To keep the water cool and clean and prevent the birds from getting wet. Price 2 quart 25c, dozen \$2.50; gallon 35c, dozen \$3.50; 2 gallon 50c, dozen \$5.00. Very useful.

DAVIS FOOD AND WATER FOUNTAIN.—The neatest and best fountain on the market and the only contrivance that can be satisfactorily used for either water, grit or oyster shell and grains. Can be used with any size bottle or with glass fruit jars, either pint, quart or half gallon size. Easily and quickly filled or cleaned. Price each 25c, dozen \$2.65.

HEN FRIEND DRINKING FOUNTAIN.—Made of galvanized iron. Easily filled and handled. Sure to give satisfaction. Price 60c.

HUMPHREY'S GREEN BONE AND VGETABLE CUTTER.—This is one of the leading bone cutters on the market. Be sure and investigate this mill before you purchase. The manufacturer's guarantee is given with each cutter sold. No. 1 cutter, \$12.00; No. 2, semi-power, \$13.50.

WILSON'S BONE MILL NO. 1.—This will grind either shell or dry bone and crack wheat or corn. The usual price is \$5.00 but we are now selling them at the reduced price of \$4.50.

We handle a complete line of poultry supplies of the best quality. Prices are subject to important market changes. We will be glad to name special figures on large lots. Transportation charges to be paid by purchaser except where marked postpaid.

CAPONIZING INSTRUMENTS.—Set \$2.50, prepaid.

TESTED THERMOMETER.—For incubators. Each 65c, postpaid.

CLIMAX BASKETS.—Used largely for shipping fruit, but they are also desirable for shipping eggs for setting; will hold two settings of Leghorns, etc., or one of Asiatic. Price per 10, 40c; 50 for \$1.75, 100 for \$3.25.

EYRIE EGG BOX.—Made of corrugated paper, very strong, light and durable. Self-locking. No. 1 holds 15 eggs, per dozen \$1.10. No. 2 holds 30 eggs, per dozen \$1.90.

ANDERSON EGG CASES.—Similar to above but shipped in flat, saving freight or express charges. We used these cases the past season and recommend them. Price 1 setting size, \$1.10 per dozen, 2 setting size \$1.60 per dozen. 50 egg size \$2.60 per dozen.

HAWKEYE SHIPPING COOPS.—Strong, light and durable. No. 2—12x20x20 inches \$3.50. No. 5—20x20x20 inches \$4.35.

Poultry Wire Netting

The best make; thoroughly galvanized to prevent rusting, and properly twisted. The following prices are subject to important market changes.

Made of No. 19 wire and One inch mesh. No. 20 2-inch mesh; put up in wire for young chicks rolls 150 feet in length, and Belgian hares.

Width Per Width Roll	Width Per Width Roll	Width Per Width Roll	
Inch's Roll	Inch's Roll	Inch's Roll	
12...	\$9.00	36...	\$2.70
13...	1.35	48...	3.60
24...	1.80	60...	4.50
30...	2.25	72...	5.40

Other widths if desired

Will allow 5 per cent discount on lots of five rolls or more.

Cut rolls, any width, of two inch mesh, 1 cent per square foot.

Cut rolls, any width, of one inch mesh, 2 cents per square foot.

GALVANIZED STAPLES.—For fastening wire poultry netting, 10 cents per pound.

INCUBATORS AND BROODERS.

It is our aim to furnish our customers with the very best that can be obtained in every department of our business. We are sure the Cornell incubator cannot be surpassed as a hatching machine and we believe the easiest machine to operate that is manufactured today. The Peep O'Day Brooders are being used very extensively and are, we believe, the best brooders for the price that can be obtained.

STANDARD CORNELL INCUBATOR.—The Cornell incubator is constructed on correct prin-

ciples and embodies a balanced system of heating, regulation, ventilation and supplied moisture. It has no superior and with reasonable care will hatch as large a percentage of fertile eggs as is possible for any machine to hatch. After

the most careful study of the different high class machines now made, we have decided to handle the Cornell, as we believe it possesses more good points than any other incubator made. It is the best finished and neatest in construction of any machine we have ever examined.

No. 1, 124 egg size.....	\$20.00
No. 2, 232	29.00
No. 3, 364	37.00

PEEP O'DAY BROODERS.—These brooders are built for outdoor use and can be used as indoor brooders. It is so constructed that the operator may obtain three different temperatures at the same time. The most complete brooder on the market; absolutely storm proof. Write for more complete description of incubators and brooders.

No. 2	\$12.00
No. 3	8.50
No. 6 with regulator.....	14.50
No. 8 Colony house and Brooder combined	20.00



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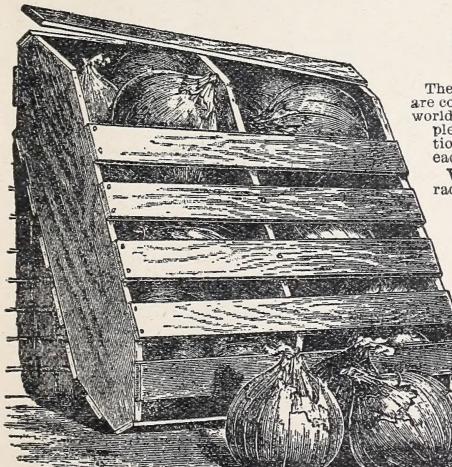


MARVEL ASTER.

IMPROVED GRASS PINKS.—These hardy and pretty clove scented flowers which were so much loved by our grandmothers are again becoming popular and this new strain which we are offering is a decided improvement. Their fragrance is quickly noticed by any one passing by the yard where they are grown before seeing the flowers. They are of dwarf compact habit and bloom freely, one plant often showing a hundred blossoms. The flowers range from pure white to a dark pink, most of them, however, being a clear, delicate pink color. Some of the flowers are double, some single and some semi-double. A hardy perennial very desirable for borders. Per pkt. 10c.

GIANT SNAPDRAGON.—The snapdragon is an old favorite which has been so greatly improved that it is again becoming popular and many florists are devoting entire greenhouses to their culture for winter blooming giving them nearly as much space as carnations. They are fully as satisfactory, however, for out door culture and especially this beautiful new class which has all the finest colors and markings known in the old varieties and several new ones. It is a remarkable improvement, however, in that the flowers are of immense size and produced in long spikes which follow each other in a constant succession of bloom, beginning about eight weeks after seed is sown and continuing until late in the fall if flowers are cut frequently. Cuttings can then be made which will root readily and bloom all winter. It is a perpetual bloomer, sending up flower spikes by the dozen, one to two feet in length, almost as large and beautiful as Gladiolus. Per pkt. 10c.

MARVEL COLLECTION. One packet each of the above five floral novelties worth 55c for only 30c.



IMPROVED GIBRALTER ONION.

AMERICAN MAMMOTH DILL. But few persons grow Dill and doubtless many of our customers have never used or even seen it. It is quite popular in Europe and also in some parts of this country, and large quantities are sold on the market places of all the leading cities, and there is an immense demand for "dill pickles". The plant resembles Fennel in appearance and both the leaves and seed have an aromatic mint-like odor and a warm pungent taste and they are used for flavoring pickles and many like the flavor also in soups, salads and sauces. This new variety is about double the size of the ordinary European variety and of very much stronger flavor. Per pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

MARVEL COLLECTION OF BEAUTIFUL FLOWERS FOR 1908.

In order that our customers might have the most showy and beautiful flower garden this year that they have ever had, we have selected five of our best novelties of the season, which are illustrated in colors on the reverse side of this sheet, and offer the entire collection at about one-half the price that they would cost if purchased separately. Don't fail to include them in your orders. The entire collection for only 30c.

MARVEL ASTER.—A most charming new variety from Germany which is well illustrated by our colored plate. The flower is large and the petals are pure white, beautifully striped with a band of blue, red, pink, lilac or some other distinct color down the center of each, thus giving the flower a very brilliant and showy appearance. We do not think there is a variety of aster in existence which will create half the interest nor so many exclamations of delight from flower lovers as it is so distinct and different from the varieties ordinarily grown. While the seed is quite scarce, still we are sure every lover of beautiful flowers will want to try this unique new candidate for public favor. Packet of about 100 seeds 15c.

BUSH MORNING GLORY.—Everyone knows the old fashioned climbing morning glories but few would suspect that this most charming little bedding plant belonged to the same family. It is a decidedly showy dwarf growing spreading sort bearing a profusion of the most richly colored, striped, blotched and variegated flowers about as large as a silver dollar. They bloom throughout the season, are easily grown, and one of the most satisfactory flowers for borders or growing in masses. Many choice varieties mixed. Pkt. 10c, oz. 25c.

BUTTERFLY FLOWER.—This large flowering variety of Schizanthus is one of the handsomest annuals, the shape and colors being so unusual and exquisite that it challenges the rare orchids in beauty. It is easily grown and makes a bushy plant fairly loaded with rich and various colored flowers. Pkt. 10c.

Improved
Grass
Pink.

1908 Vegetable Collection.

There are so many of our customers who each year desire to test something new, that we are constantly on the outlook for the most desirable novelties from various parts of the world, and the five new sorts illustrated on the back cover of this book will, we are sure, please everyone. Any one of them is really worth the price charged for the entire collection, but we make the low price to induce you to give them a trial. We offer one packet each of all five varieties for only 35 cents.

VIOLET QUEEN RADISH.—A novelty of 1908 and decidedly the handsomest of all radishes. It is a small round or turnip-shaped variety of a beautiful violet-purple color, sometimes shading to white near the tip, thus giving it a very pleasing aspect. It matures quickly, is solid, crisp and of excellent flavor, and does not become pithy quickly. For best results grow in loose, rich soil and cultivate well. It is very showy on the table, especially when put in a glass dish with red and white radishes. Do not fail to try it. Per pkt. 10c, oz. 30c.

IMPROVED GIBRALTER ONION.—This new Spanish onion, which we now offer for the first time, has been grown in America for several years so that it is thoroughly acclimated. It is similar in shape and color to the well known Mammoth Prizetaker but when grown under ordinary conditions has proved to be very much larger, harder and keeps better. The leaves or blades are distinct in appearance from those of other varieties, being of a deep green, with a glossy surface, enabling it to withstand dry weather and the attacks of insect enemies. The handsome large bulbs are nearly globular in form. Thin skin of light straw color; flesh white, tender and mild. These onions are excellent for home use, at any time, while in the growing state during the summer months as well as when matured for winter use. Per pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

DAVIS PERFECT CUCUMBER.—A grand new variety. Everyone who saw the crop this year says they never saw anything to equal it. In color, a dark, glossy green; shape slim and symmetrical, with an average length of 10 to 12 inches. They hold their color until nearly ripe when they turn white without a sign of a yellow streak on them. The quality is fine, as the seeds are very soft when the cucumber is fit for table use, is very tender and brittle and of exceptionally good flavor. It is as early as the earliest strain of White Spine and it out-yields by far other standard sorts. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$1.75.

BURRELL GEM MUSK MELON.—We have inspected thousands of acres of melons during the past few years and this variety which we found growing in the noted melon district near Rocky Ford, Colo., is decidedly the most delicious of all. Flesh rich golden color, and so sweet and juicy as to almost melt in the mouth. See description on page 43. Per pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

COLLECTION ONE PACKET EACH OF THE ABOVE FIVE NOVELTIES FOR ONLY 30 CTS



MARVEL COLLECTION:

- 1-MARVEL ASTER 15¢
- 2-BUSH MORNING GLORY 10¢
- 3-GIANT SNAPDRAGON 10¢
- 4-IMPROVED GRASS PINK 10¢
- 5-BUTTERFLY FLOWER 10¢
- 5 PACKETS 30¢



1908 COLLECTION:

- 6-VIOLET QUEEN RADISH 10¢
- 7-IMPROVED GIBRALTAR ONION 10¢
- 8-DAVIS-PERFECT CUCUMBER 10¢
- 9-BURRELL GEM MUSKMELON 10¢
- 10-AMERICAN MAMMOTH DILL 10¢

The 5 PACKETS 35¢